

APPENDIX B: ENGINEERING DRAWINGS





# CALIFORNIA HIGH SPEED TRAIN SYSTEM

## MERCED TO FRESNO

### APPENDIX E - ENGINEERING DRAWINGS

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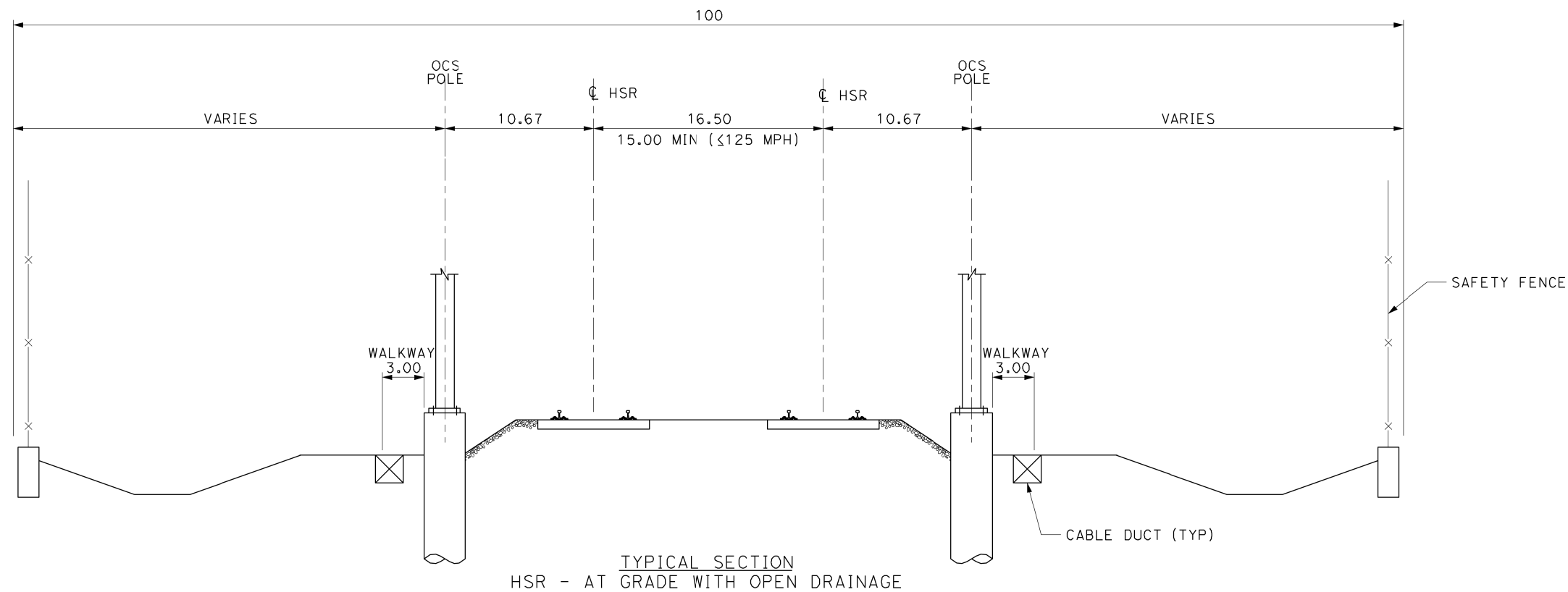
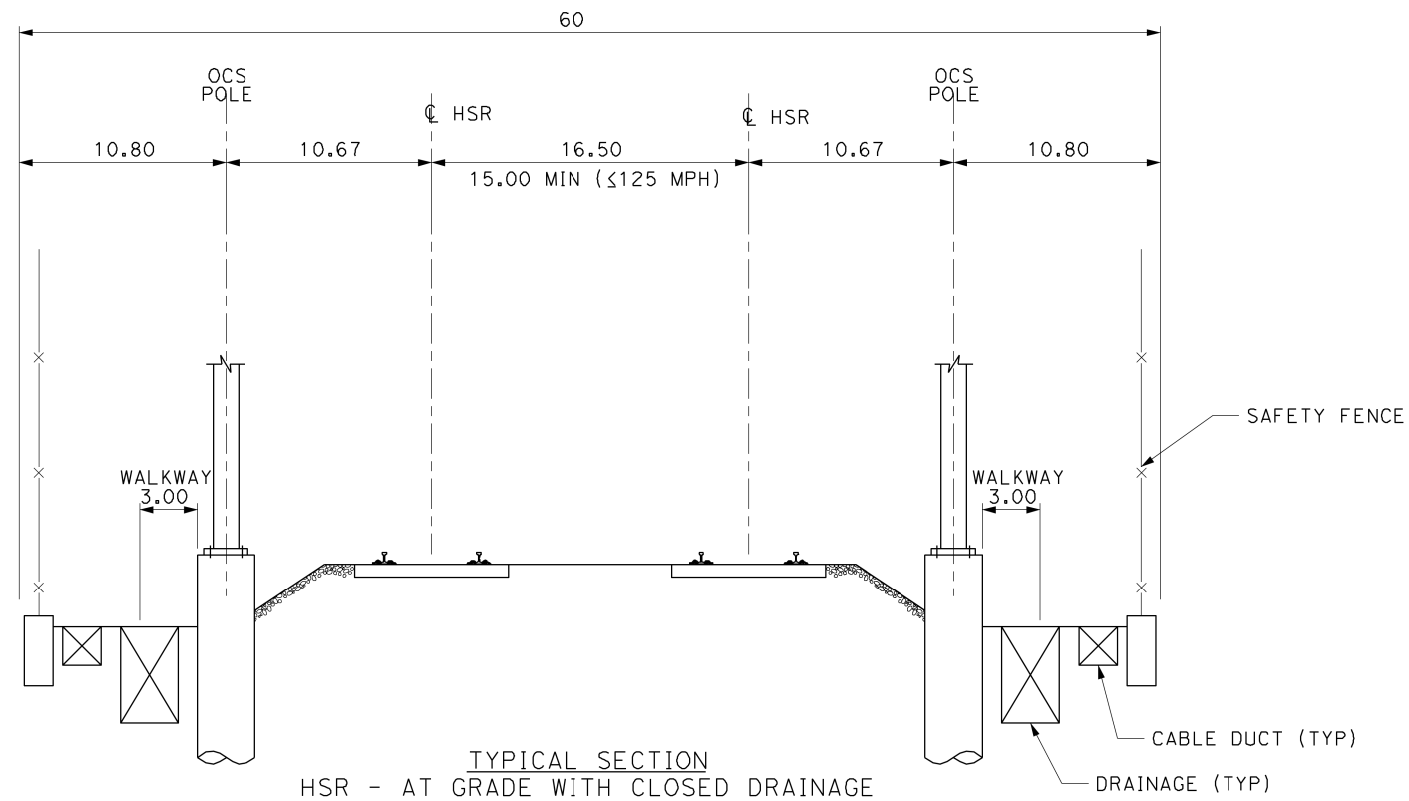


**FLY CALIFORNIA**  
*Without ever leaving the ground.*

*CALIFORNIA HIGH SPEED RAIL AUTHORITY*

AECOM

**CH2MHILL**



- NOTES:**
1. TRACK, OCS POLES AND FOUNDATIONS, CABLE DUCTS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
  2. RIGHT-OF-WAY REQUIRED FOR THE HIGH-SPEED RAIL GUIDEWAY WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, WHERE CUT/FILL SLOPES, RETAINING STRUCTURES, AND ACCESS ARE REQUIRED.



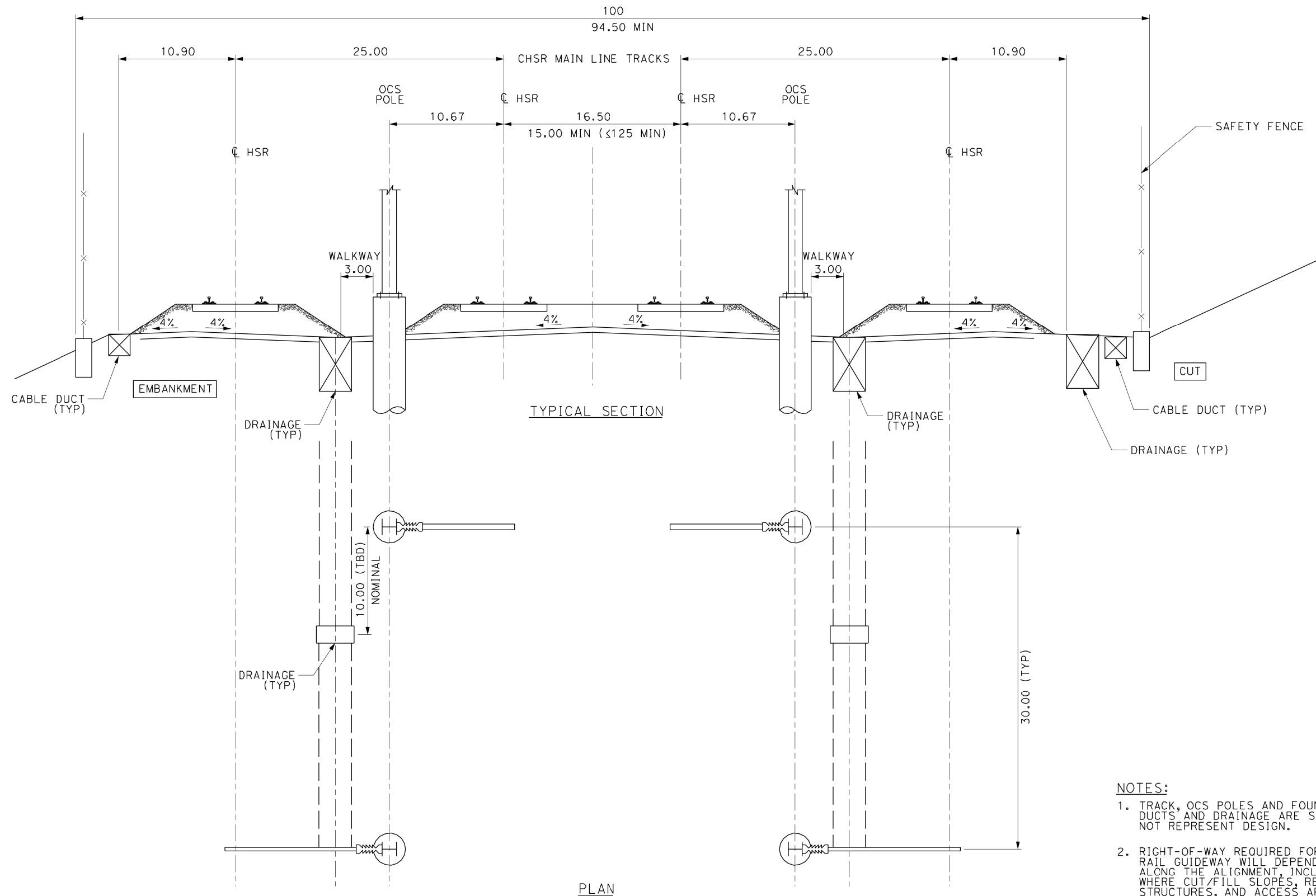
DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 5'  
SHEET NO.  
C1 TYP. SECTION



#### NOTES:

1. TRACK, OCS POLES AND FOUNDATIONS, CABLE DUCTS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. RIGHT-OF-WAY REQUIRED FOR THE HIGH-SPEED RAIL GUIDEWAY WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, WHERE CUT/FILL SLOPES, RETAINING STRUCTURES, AND ACCESS ARE REQUIRED.



DESIGNED BY  
X.XXXXX

DRAWN BY  
Y.YYYYY

CHECKED BY  
Z.ZZZZ

IN CHARGE  
A.AAAA

DATE  
##-##-##

AECOM CH2MHILL



CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**

Without ever leaving the ground.

**CALIFORNIA HIGH SPEED TRAIN PROJECT**

**SACRAMENTO TO FRESNO ALIGNMENT STUDY**

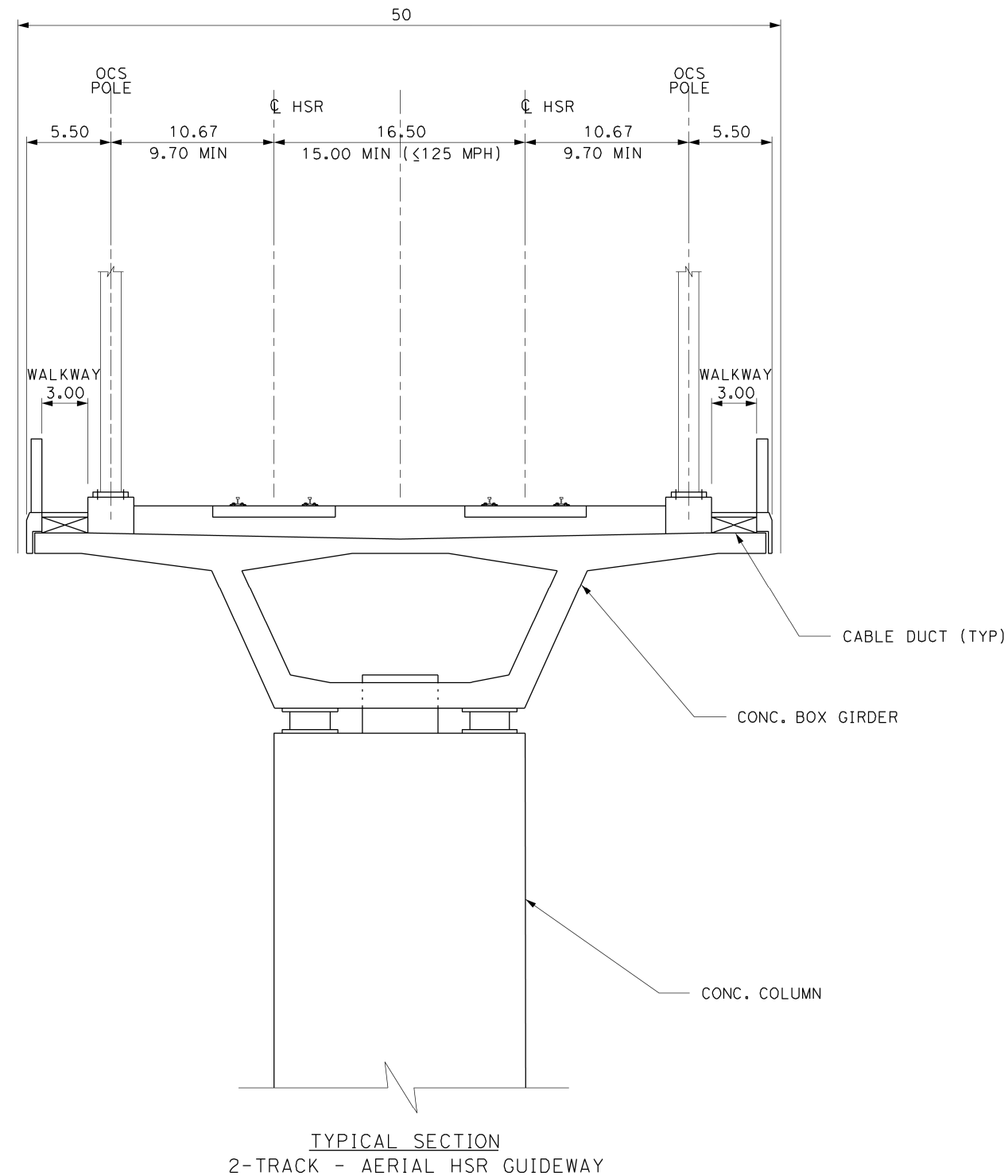
MERCED TO FRESNO SECTION

CONTRACT NO.  
C-0-000

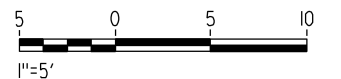
DRAWING NO.  
XXX-XXX

SCALE  
1"= 5'

SHEET NO.  
C2 TYP. SECTION



- NOTES:**
1. TRACK, OCS POLES AND FOUNDATIONS, CABLE DUCTS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
  2. RIGHT-OF-WAY REQUIRED FOR THE HIGH-SPEED RAIL GUIDEWAY WILL DEPEND UPON CONDITIONS ALONG THE ALIGNMENT, INCLUDING TERRAIN, WHERE CUT/FILL SLOPES, RETAINING STRUCTURES, AND ACCESS ARE REQUIRED.



DESIGNED BY  
X.XXXXX

DRAWN BY  
Y.YYYY

CHECKED BY  
Z.ZZZZ

IN CHARGE  
A.AAAA

DATE  
##-##-##

AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**

**SACRAMENTO TO FRESNO ALIGNMENT STUDY**

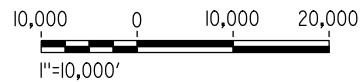
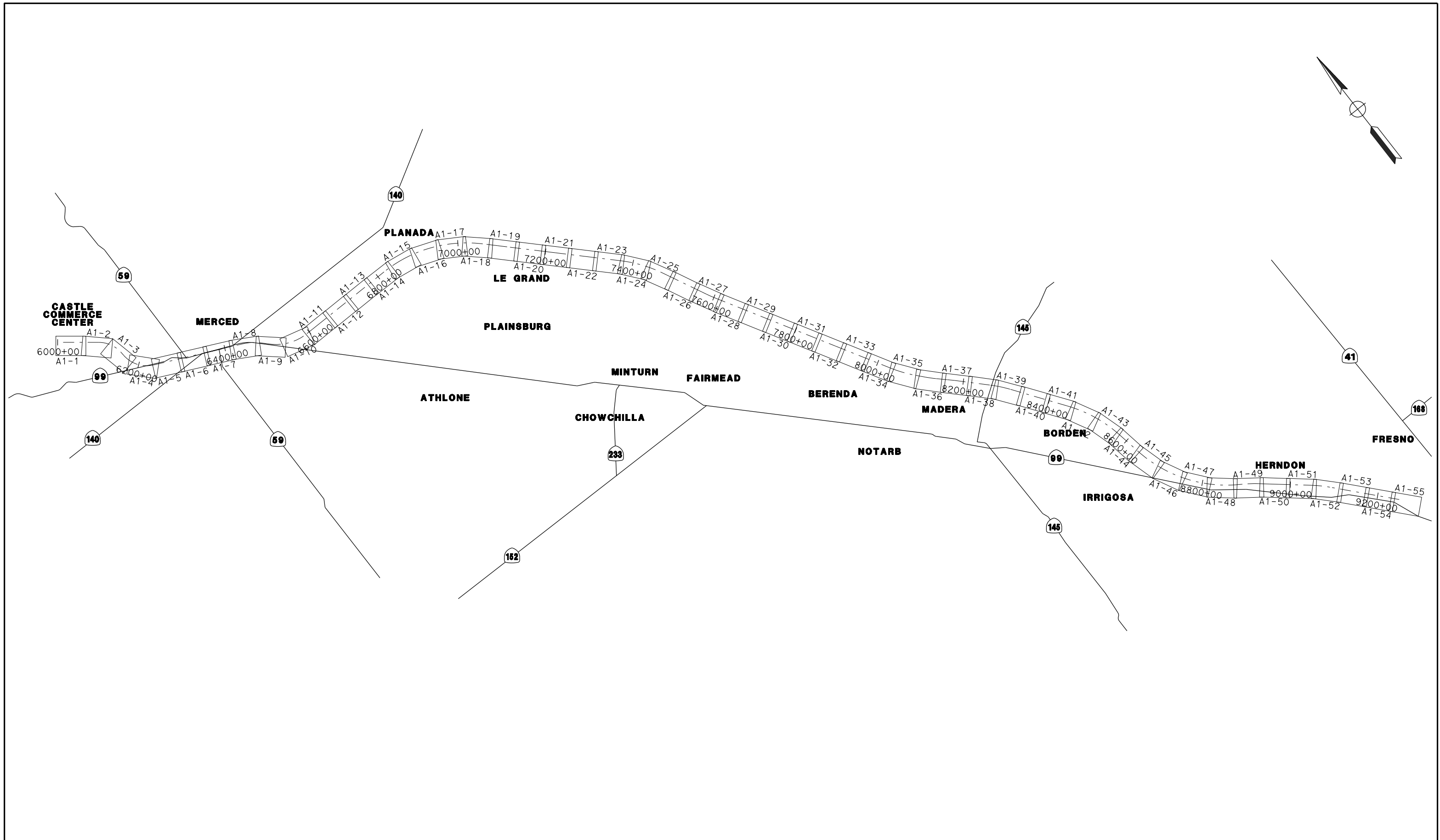
MERCED TO FRESNO SECTION

CONTRACT NO.  
C-0-000

DRAWING NO.  
XXX-XXX

SCALE  
1"= 5'

SHEET NO.  
C3 TYP. SECTION



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYYY    |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

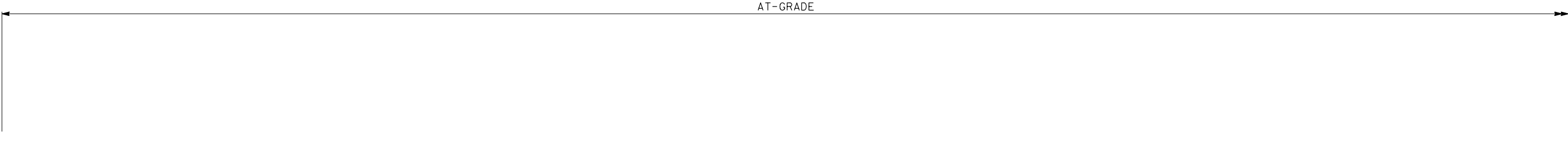
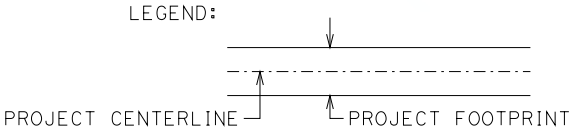
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

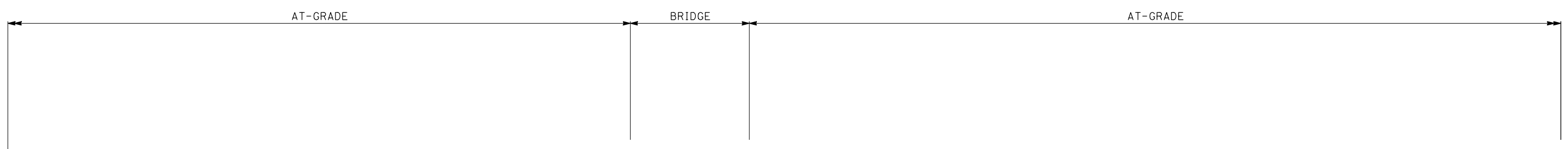
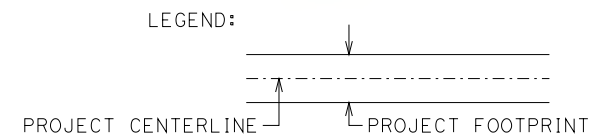
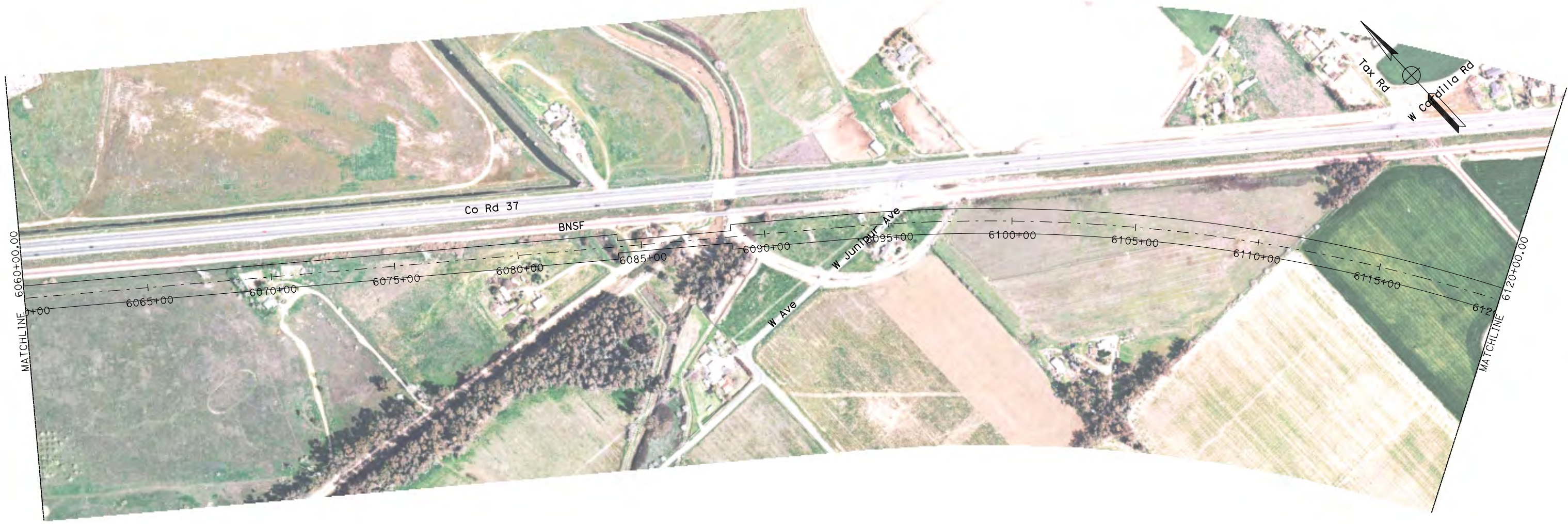
|                         |
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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1" = 10,000'   |
| SHEET NO.<br>A1-KEY MAP |



6000+00      6005+00      6010+00      6015+00      6020+00      6025+00      6030+00      6035+00      6040+00      6045+00      6050+00      6055+00      6060+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-1       |
|  | DATE<br>##-##-##       |                       |  |   |                         |





6060+00      6065+00      6070+00      6075+00      6080+00      6085+00      6090+00      6095+00      6100+00      6105+00      6110+00      6115+00      6120+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

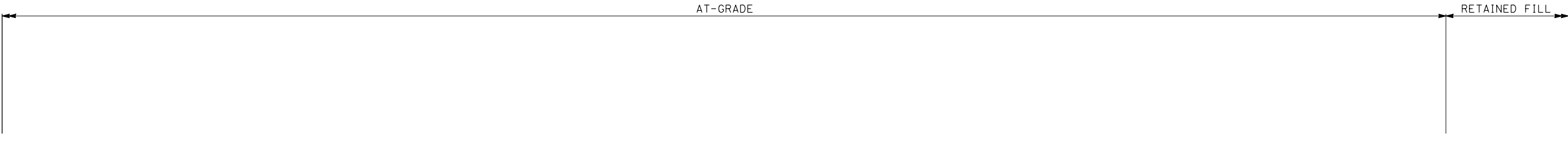
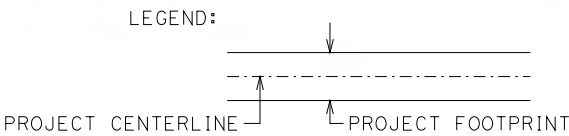
AECOM **CH2MHILL**



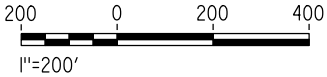
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-2





6120+00      6125+00      6130+00      6135+00      6140+00      6145+00      6150+00      6155+00      6160+00      6165+00      6170+00      6175+00      6180+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

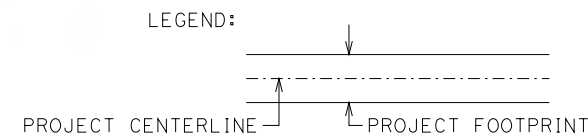


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

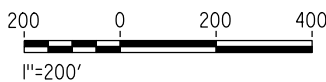
Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-3





6180+00      6185+00      6190+00      6195+00      6200+00      6205+00      6210+00      6215+00      6220+00      6225+00      6230+00      6235+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL



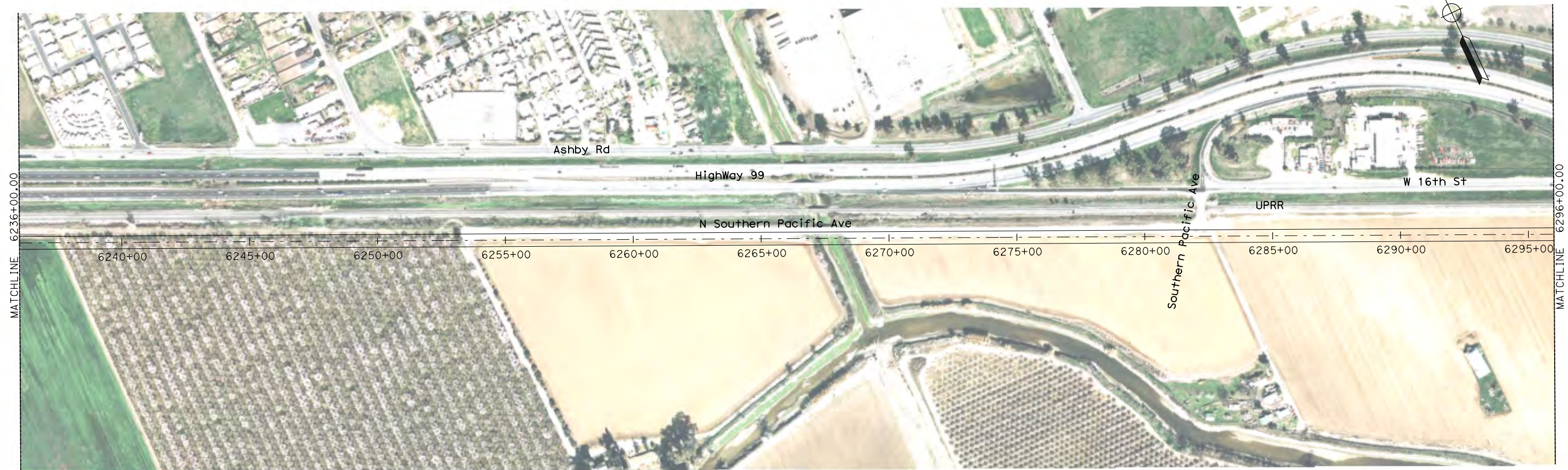
CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-4





MATCHLINE 6236+00.00

MATCHLINE 6296+00.00

|         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6240+00 | 6245+00 | 6250+00 | 6255+00 | 6260+00 | 6265+00 | 6270+00 | 6275+00 | 6280+00 | 6285+00 | 6290+00 | 6295+00 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Ashby Rd

HighWay 99

N Southern Pacific Ave

Southern Pacific Av.

UPRR

W 16th St

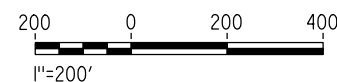
ELEVATED

LEGEND:

PROJECT CENTERLINE

PROJECT FOOTPRINT

|         |         |         |         |         |         |         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6235+00 | 6240+00 | 6245+00 | 6250+00 | 6255+00 | 6260+00 | 6265+00 | 6270+00 | 6275+00 | 6280+00 | 6285+00 | 6290+00 | 6295+00 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYYY    |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

**AECOM CH2MHILL**



CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1**

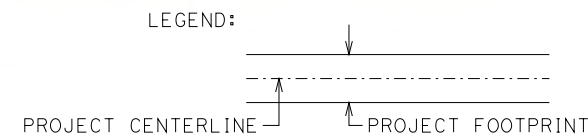
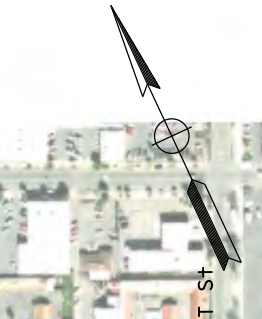
Preliminary 10/29/2009

|              |           |
|--------------|-----------|
| CONTRACT NO. | C-0-000   |
| DRAWING NO.  | XXX-XXX   |
| SCALE        | 1" = 200' |
| SHEET NO.    | A1-5      |

[illegible]

USERNAME:

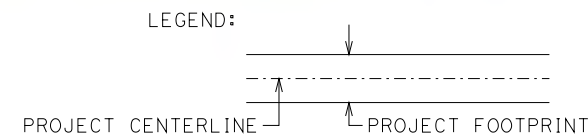
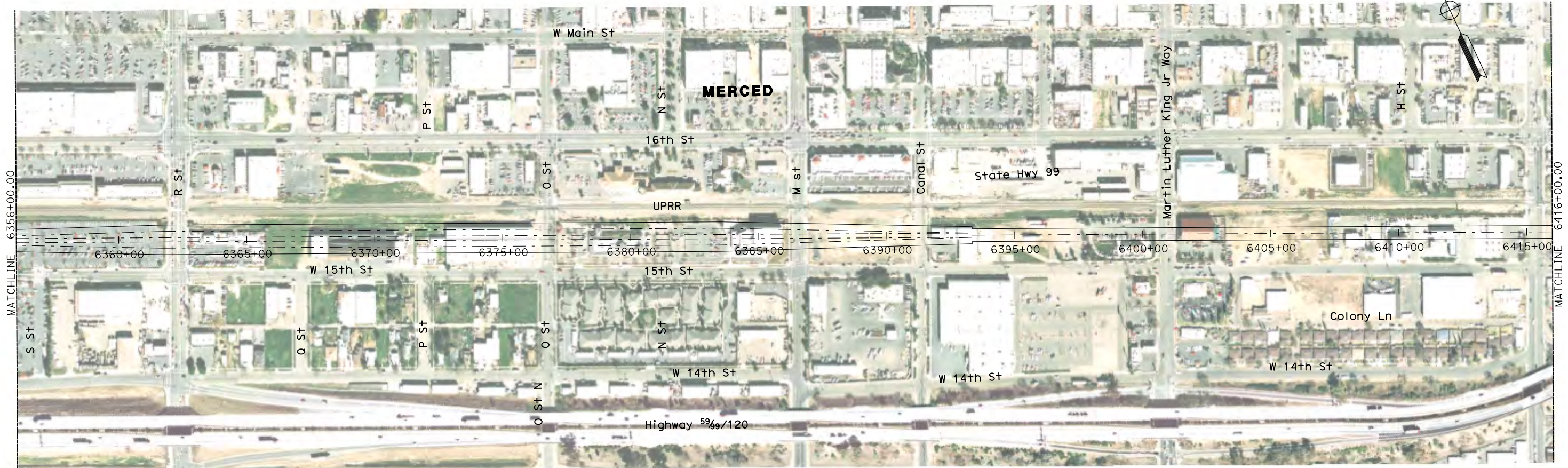




|   |                        |                       |  |   |                         |
|---|------------------------|-----------------------|--|---|-------------------------|
| 6295+00      6300+00      6305+00      6310+00      6315+00      6320+00      6325+00      6330+00      6335+00      6340+00      6345+00      6350+00      6355+00 |                        |                       |  |   |                         |
|   | DESIGNED BY<br>X.XXXXX | AECOM <b>CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|   | DRAWN BY<br>Y.YYYYY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|   | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|   | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-6       |
|   | DATE<br>##-##-##       |                       |  |   |                         |

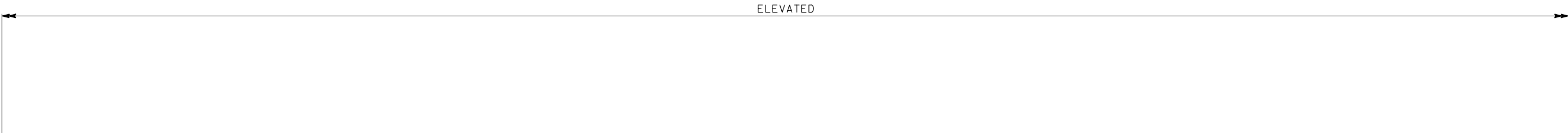
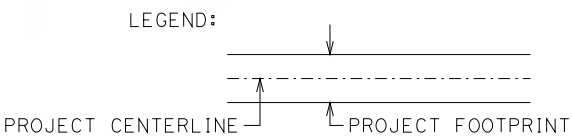
Preliminary 10/29/2009



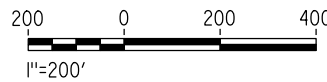


|   |   |                       |  |   |                         |
|---|---|-----------------------|--|---|-------------------------|
| 6355+00      6360+00      6365+00      6370+00      6375+00      6380+00      6385+00      6390+00      6395+00      6400+00      6405+00      6410+00      6415+00 |   |                       |  |   |                         |
|   | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|   | DRAWN BY<br>Y.YYYYY                     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|   | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1" = 200'      |
|   | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-7       |
| Preliminary 10/29/2009  |   |                       |  |   |                         |





6415+00      6420+00      6425+00      6430+00      6435+00      6440+00      6445+00      6450+00      6455+00      6460+00      6465+00      6470+00      6475+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

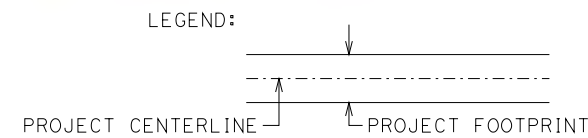


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

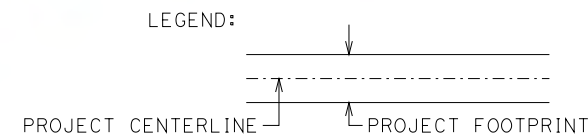
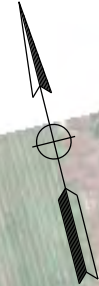
CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-8





|   |                        |                       |  |   |                         |
|---|------------------------|-----------------------|--|---|-------------------------|
| 6475+00      6480+00      6485+00      6490+00      6495+00      6500+00      6505+00      6510+00      6515+00      6520+00      6525+00      6530+00      6535+00 |                        |                       |  |   |                         |
|   | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ENTER 1ST LINE<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|   | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
| CHECKED BY<br>Z.ZZZZ  | SCALE<br>1"= 200'      |                       |  |   |                         |
| IN CHARGE<br>A.AAAA<br>DATE<br>##-##-##   | SHEET NO.<br>A1-9      |                       |  |   |                         |





ELEVATED

6535+00      6540+00      6545+00      6550+00      6555+00      6560+00      6565+00      6570+00      6575+00      6580+00      6585+00      6590+00      6595+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYYY    |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

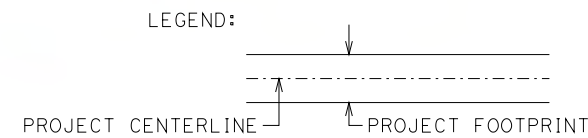
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-10      |

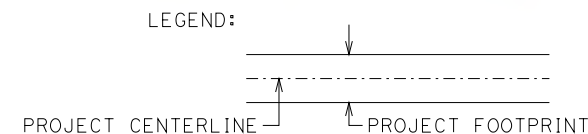




6595+00      6600+00      6605+00      6610+00      6615+00      6620+00      6625+00      6630+00      6635+00      6640+00      6645+00      6650+00      6655+00

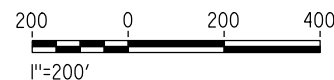
|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1" = 200'      |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-11      |





AT-GRADE

6655+00      6660+00      6665+00      6670+00      6675+00      6680+00      6685+00      6690+00      6695+00      6700+00      6705+00      6710+00      6715+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYY     |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

AECOM **CH2MHILL**

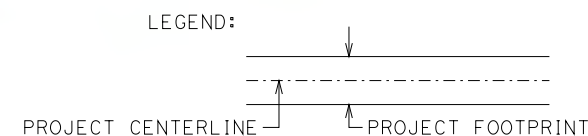


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

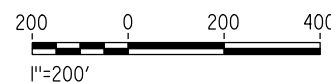
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|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-12      |





AT-GRADE

6715+00 6720+00 6725+00 6730+00 6735+00 6740+00 6745+00 6750+00 6755+00 6760+00 6765+00 6770+00 6775+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

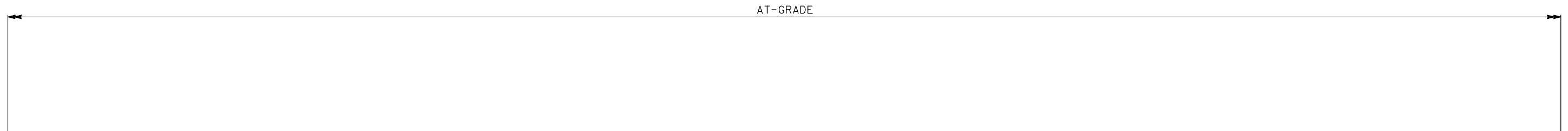
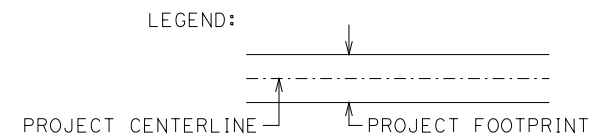


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-13





6775+00      6780+00      6785+00      6790+00      6795+00      6800+00      6805+00      6810+00      6815+00      6820+00      6825+00      6830+00      6835+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYY     |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

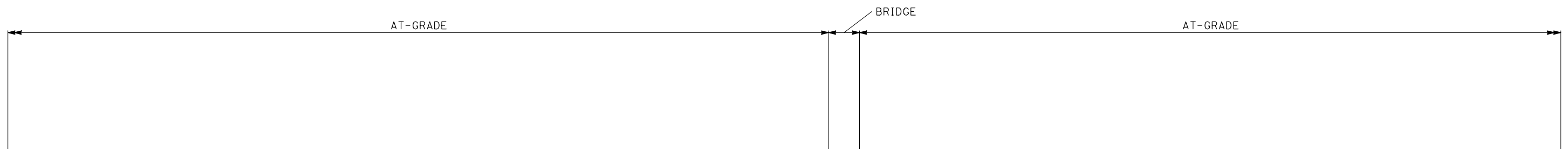
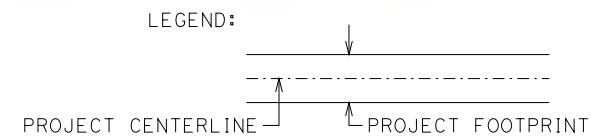
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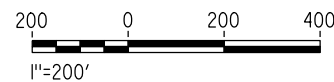
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-14      |





6835+00      6840+00      6845+00      6850+00      6855+00      6860+00      6865+00      6870+00      6875+00      6880+00      6885+00      6890+00      6895+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

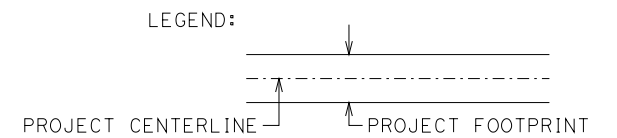
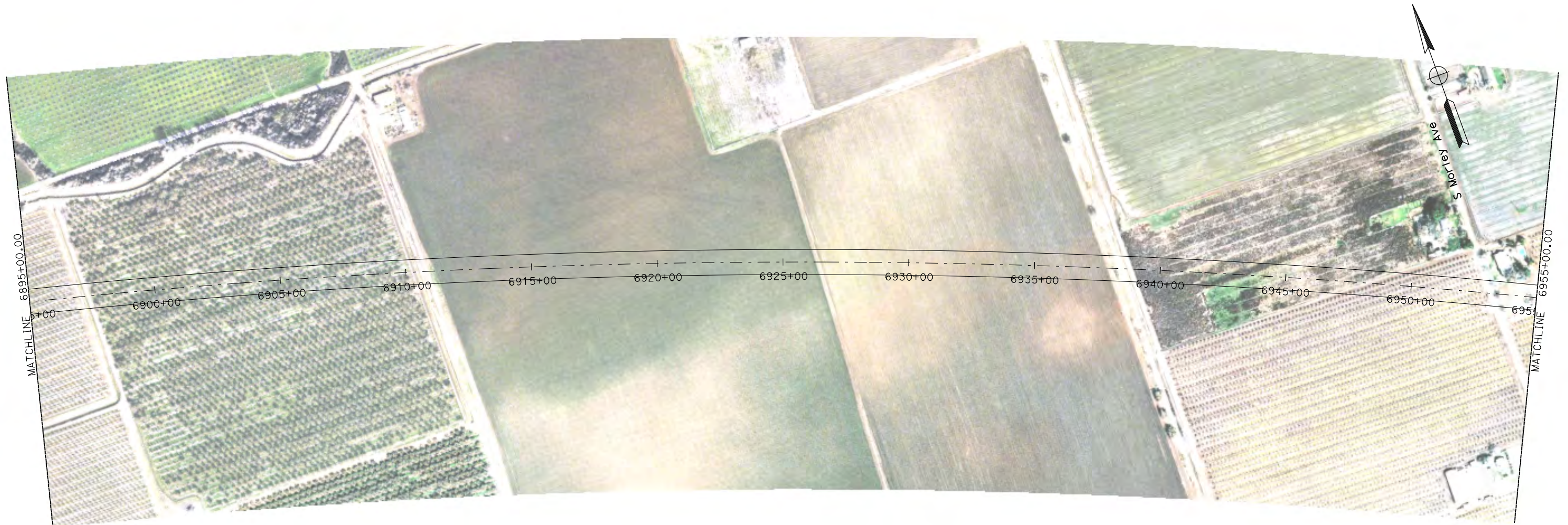


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

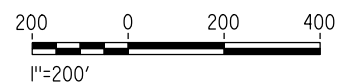
CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-15





AT-GRADE

6895+00 6900+00 6905+00 6910+00 6915+00 6920+00 6925+00 6930+00 6935+00 6940+00 6945+00 6950+00 6955+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

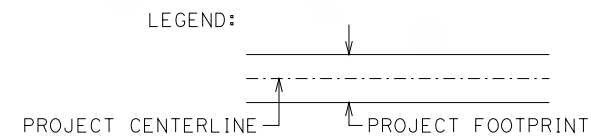
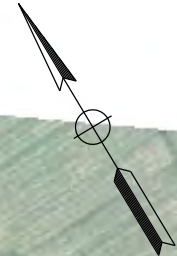
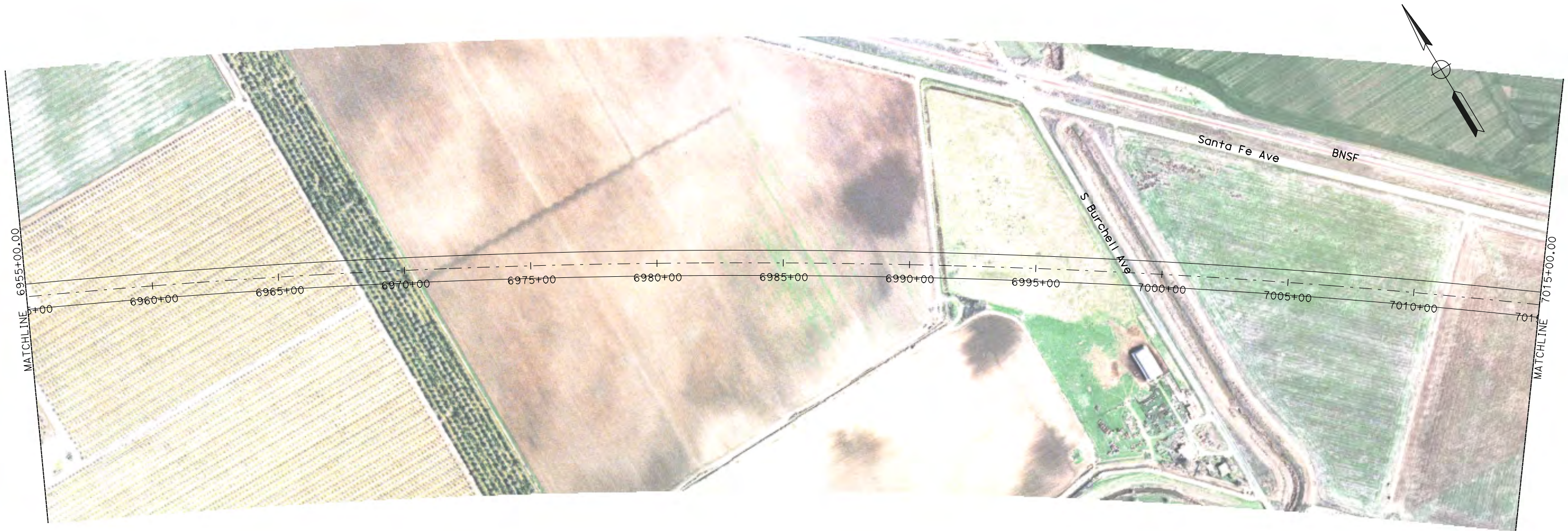


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

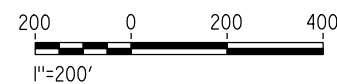
CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-16





AT-GRADE

6955+00      6960+00      6965+00      6970+00      6975+00      6980+00      6985+00      6990+00      6995+00      7000+00      7005+00      7010+00      7015+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

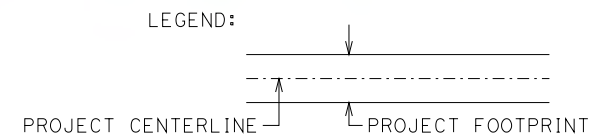


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-17





AT-GRADE

7015+00      7020+00      7025+00      7030+00      7035+00      7040+00      7045+00      7050+00      7055+00      7060+00      7065+00      7070+00      7075+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

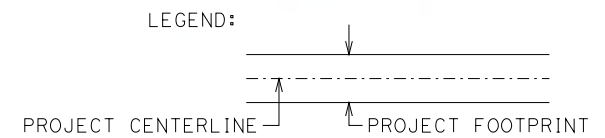
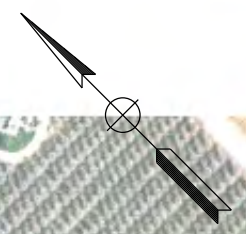
AECOM CH2MHILL



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-18





7075+00      7080+00      7085+00      7090+00      7095+00      7100+00      7105+00      7110+00      7115+00      7120+00      7125+00      7130+00      7135+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYY     |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

**AECOM CH2MHILL**

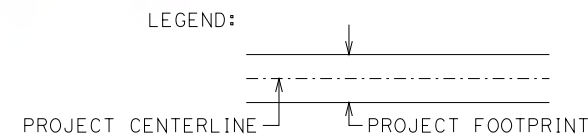


**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-19      |

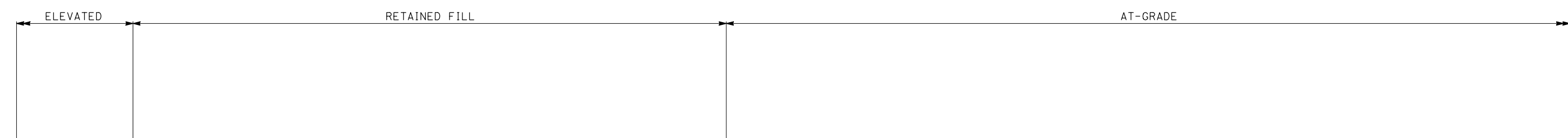
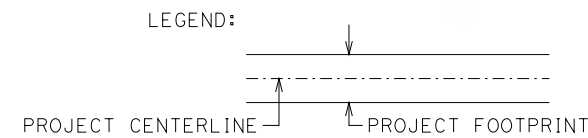
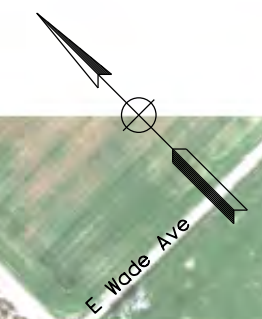




7135+00      7140+00      7145+00      7150+00      7155+00      7160+00      7165+00      7170+00      7175+00      7180+00      7185+00      7190+00      7195+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-20      |
|  | DATE<br>##-##-##       |                       |  |   | Preliminary 10/29/2009  |





7195+00      7200+00      7205+00      7210+00      7215+00      7220+00      7225+00      7230+00      7235+00      7240+00      7245+00      7250+00      7255+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

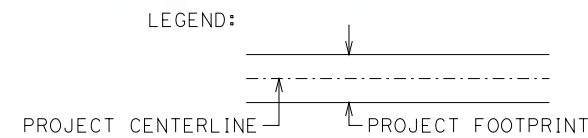
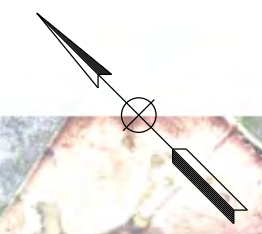
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-21

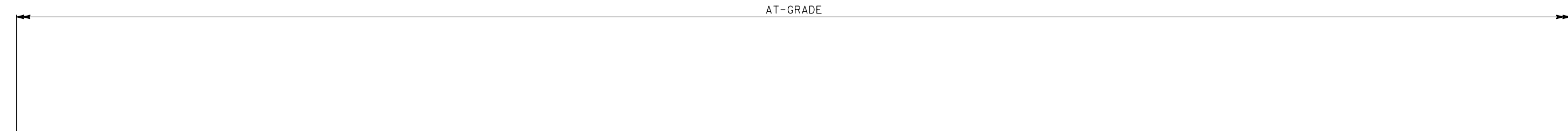
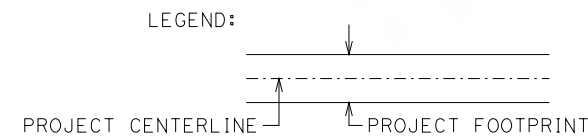
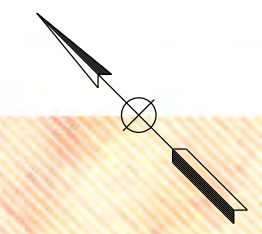
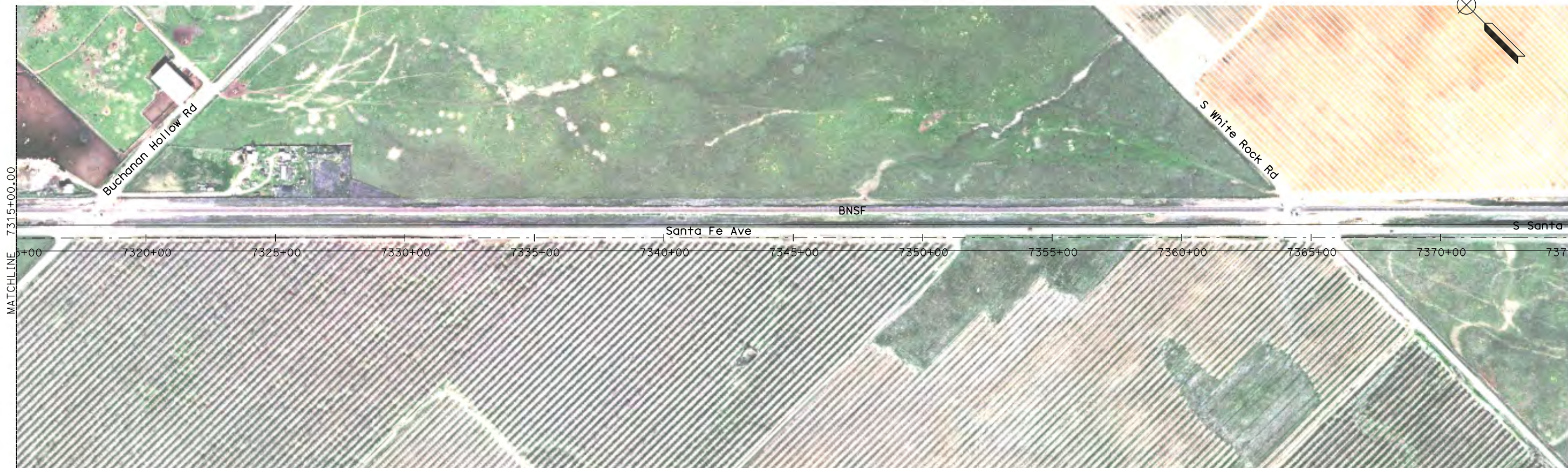




7255+00      7260+00      7265+00      7270+00      7275+00      7280+00      7285+00      7290+00      7295+00      7300+00      7305+00      7310+00      7315+00

|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-22      |



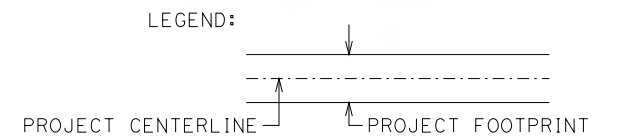


7315+00      7320+00      7325+00      7330+00      7335+00      7340+00      7345+00      7350+00      7355+00      7360+00      7365+00      7370+00      7375+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-23      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

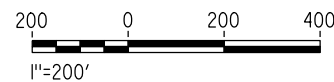
Preliminary 10/29/2009





AT-GRADE

7375+00      7380+00      7385+00      7390+00      7395+00      7400+00      7405+00      7410+00      7415+00      7420+00      7425+00      7430+00      7435+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYY     |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

AECOM **CH2MHILL**

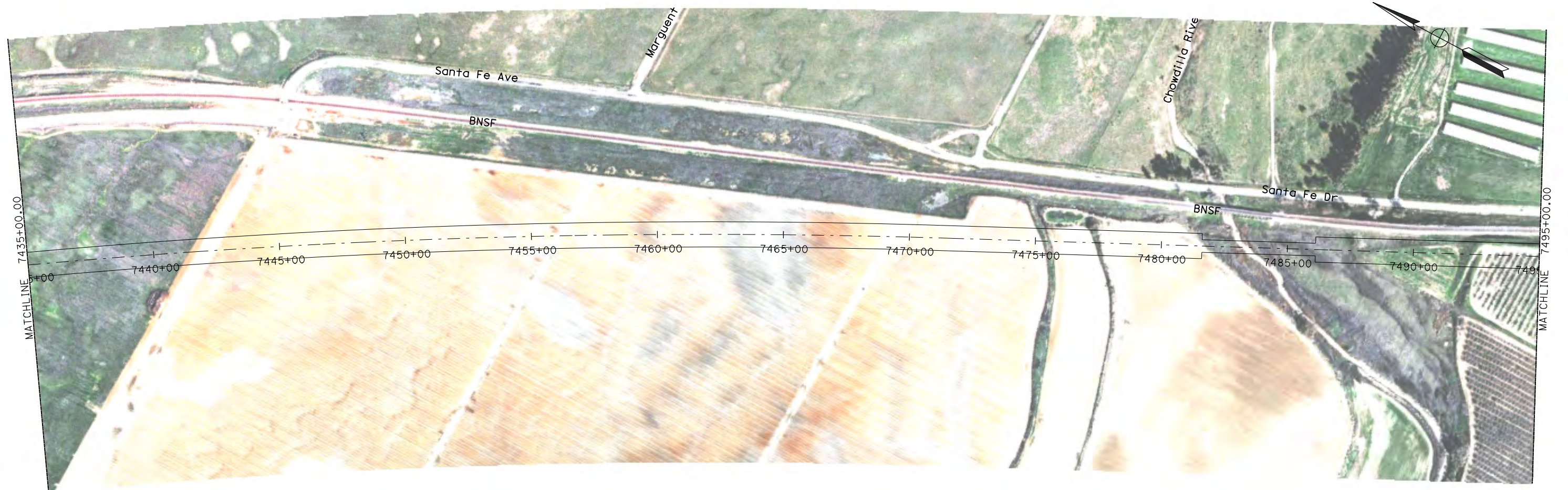


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

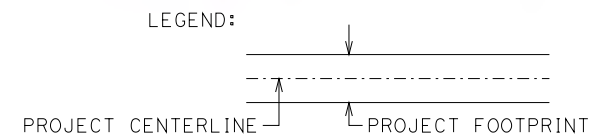
Preliminary 10/29/2009

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-24      |





LEGEND:



7435+00      7440+00      7445+00      7450+00      7455+00      7460+00      7465+00      7470+00      7475+00      7480+00      7485+00      7490+00      7495+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

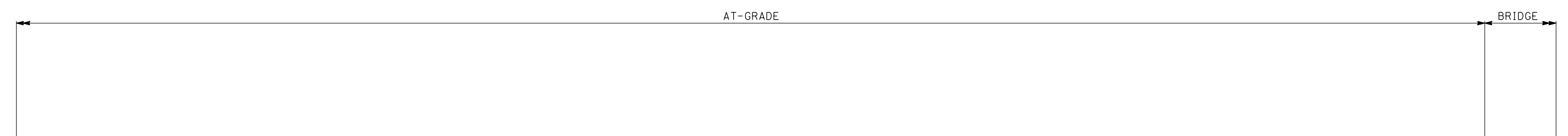
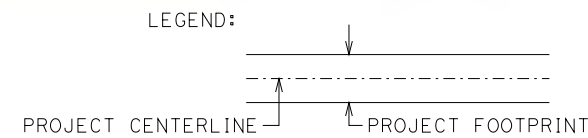
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-25



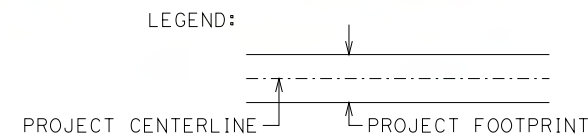


7495+00 7500+00 7505+00 7510+00 7515+00 7520+00 7525+00 7530+00 7535+00 7540+00 7545+00 7550+00 7555+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-26      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





7555+00      7560+00      7565+00      7570+00      7575+00      7580+00      7585+00      7590+00      7595+00      7600+00      7605+00      7610+00      7615+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

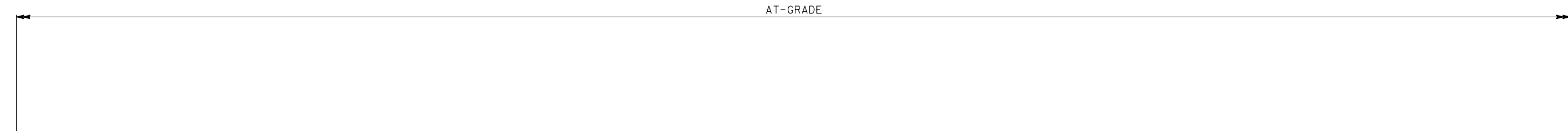
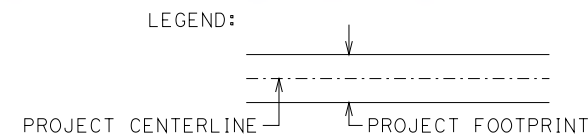
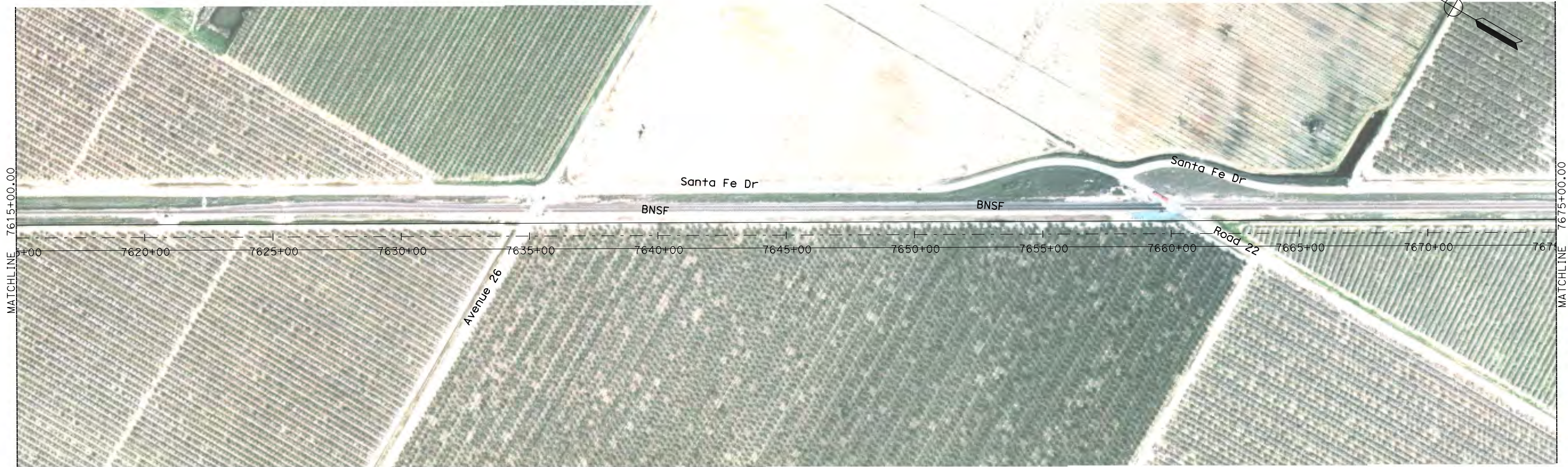
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-27



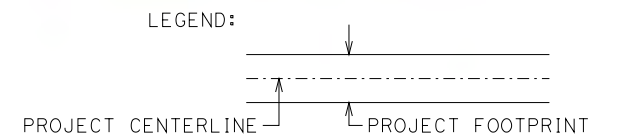
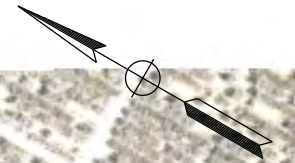
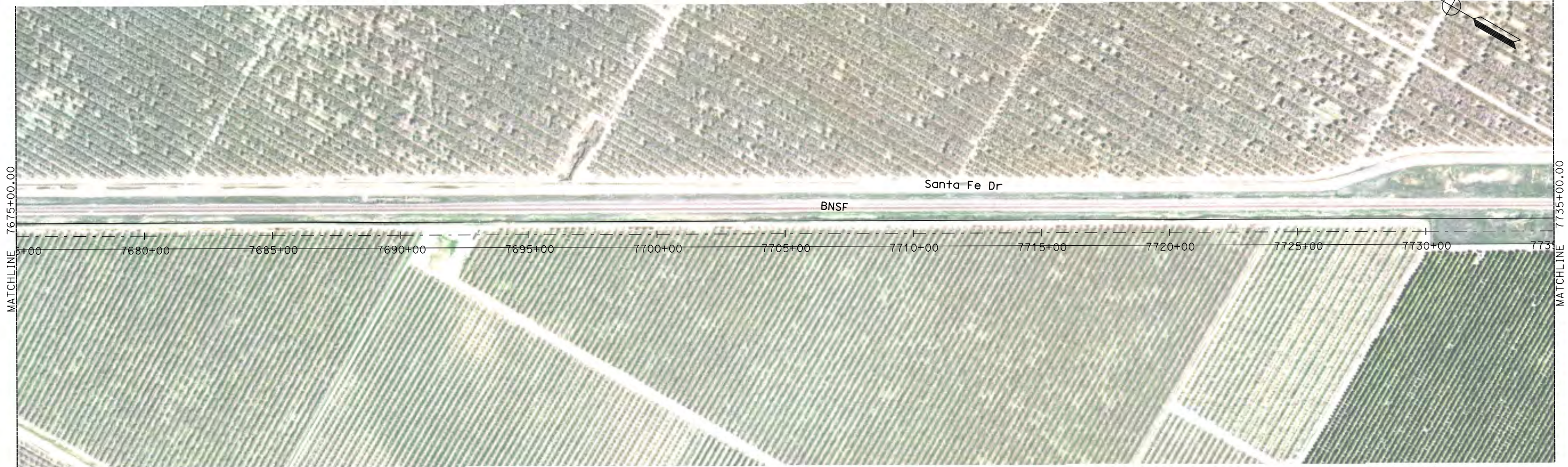


7615+00      7620+00      7625+00      7630+00      7635+00      7640+00      7645+00      7650+00      7655+00      7660+00      7665+00      7670+00      7675+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-28      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





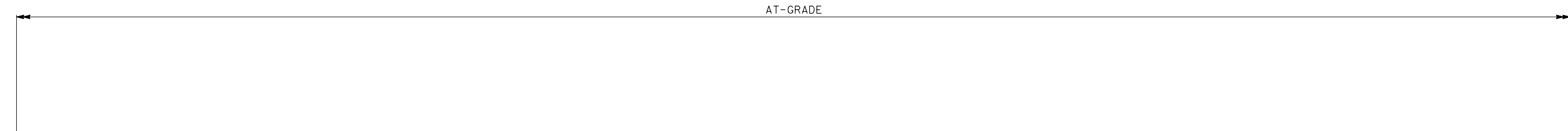
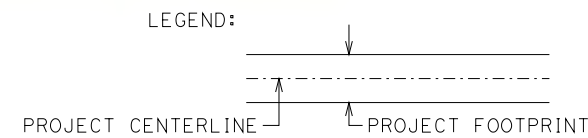
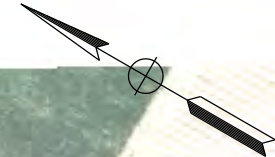
AT-GRADE

7675+00      7680+00      7685+00      7690+00      7695+00      7700+00      7705+00      7710+00      7715+00      7720+00      7725+00      7730+00      7735+00

|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-29      |

Preliminary 10/29/2009

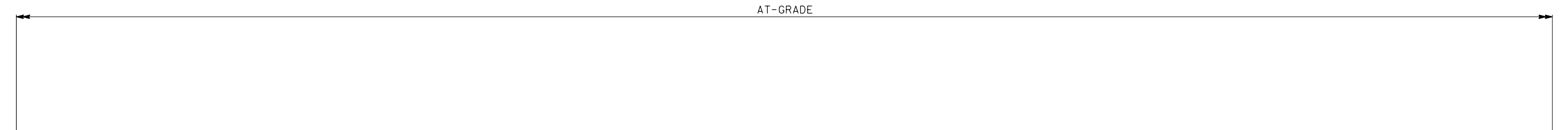
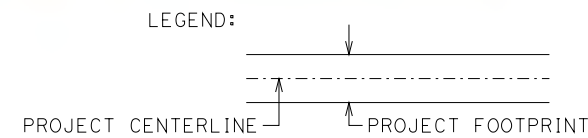




7735+00      7740+00      7745+00      7750+00      7755+00      7760+00      7765+00      7770+00      7775+00      7780+00      7785+00      7790+00      7795+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | AECOM <b>CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-30      |
|  | DATE<br>##-##-##       |                       |  | Preliminary 10/29/2009  |                         |



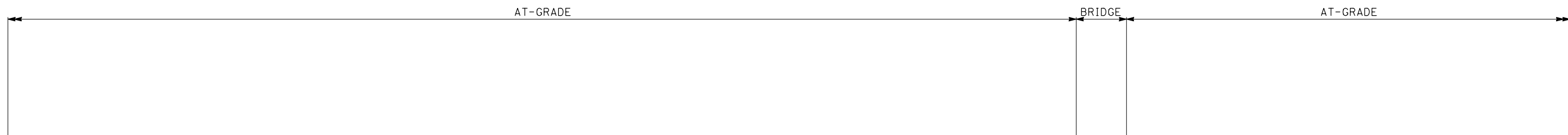
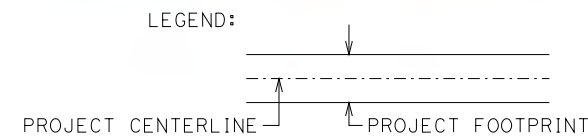


7795+00      7800+00      7805+00      7810+00      7815+00      7820+00      7825+00      7830+00      7835+00      7840+00      7845+00      7850+00      7855+00

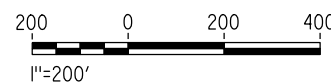
|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-31      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





7855+00      7860+00      7865+00      7870+00      7875+00      7880+00      7885+00      7890+00      7895+00      7900+00      7905+00      7910+00      7915+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**



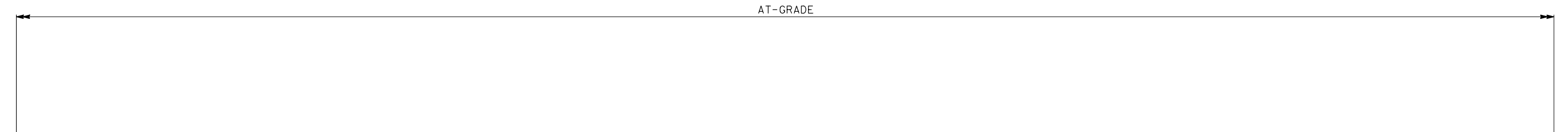
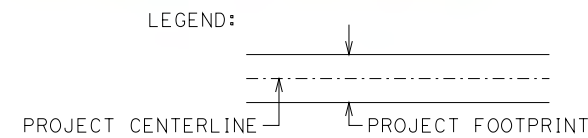
CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-32



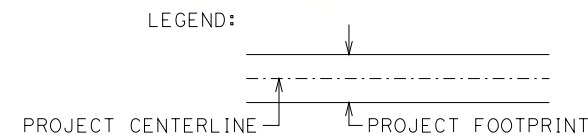
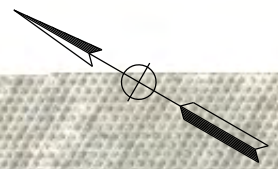


7915+00      7920+00      7925+00      7930+00      7935+00      7940+00      7945+00      7950+00      7955+00      7960+00      7965+00      7970+00      7975+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-33      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009



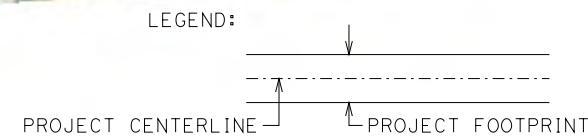


7975+00      7980+00      7985+00      7990+00      7995+00      8000+00      8005+00      8010+00      8015+00      8020+00      8025+00      8030+00      8035+00

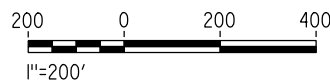
|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-34      |

Preliminary 10/29/2009





8035+00      8040+00      8045+00      8050+00      8055+00      8060+00      8065+00      8070+00      8075+00      8080+00      8085+00      8090+00      8095+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

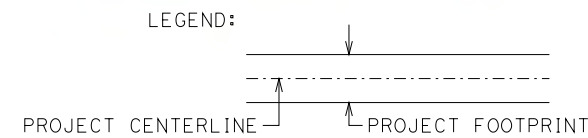


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-35





8095+00      8100+00      8105+00      8110+00      8115+00      8120+00      8125+00      8130+00      8135+00      8140+00      8145+00      8150+00      8155+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

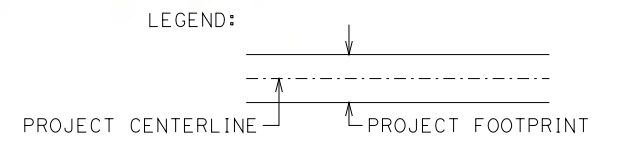
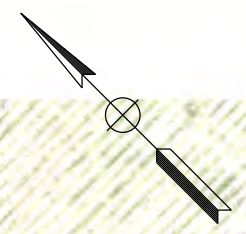
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-36



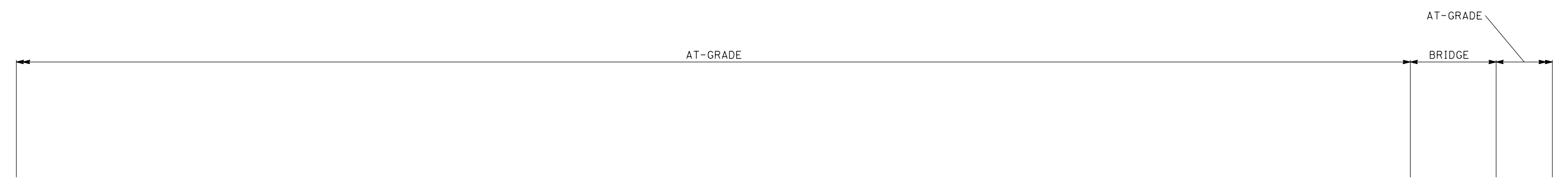
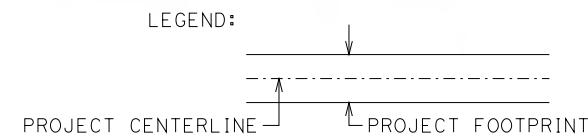
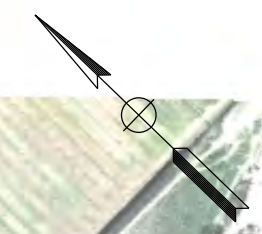


8155+00      8160+00      8165+00      8170+00      8175+00      8180+00      8185+00      8190+00      8195+00      8200+00      8205+00      8210+00      8215+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | AECOM <b>CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-37      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009

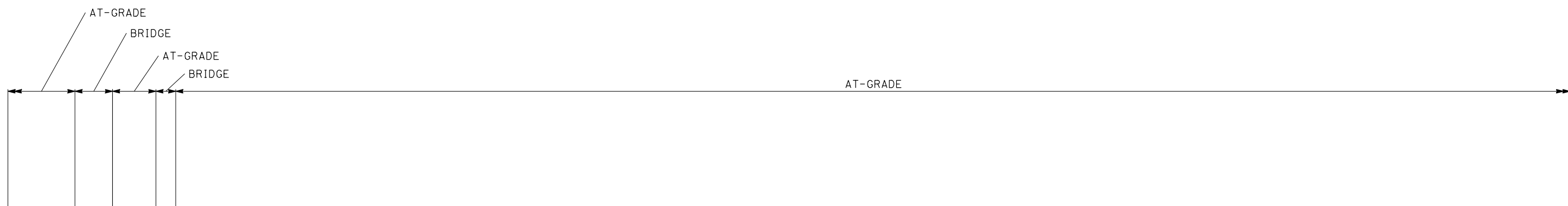
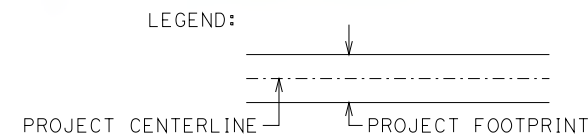
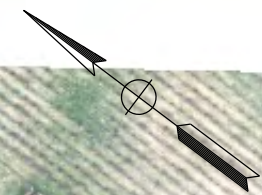




8215+00      8220+00      8225+00      8230+00      8235+00      8240+00      8245+00      8250+00      8255+00      8260+00      8265+00      8270+00      8275+00

|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-38      |

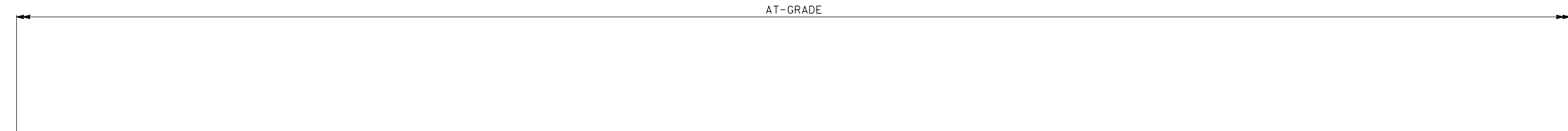
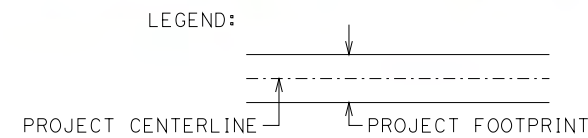
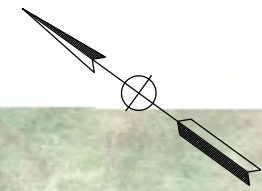




8275+00      8280+00      8285+00      8290+00      8295+00      8300+00      8305+00      8310+00      8315+00      8320+00      8325+00      8330+00      8335+00

|                               |                        |                       |  |   |                         |
|-------------------------------|------------------------|-----------------------|--|---|-------------------------|
|                               | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|                               | DRAWN BY<br>Y.YYYYY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
| CHECKED BY<br>Z.ZZZZ          | SCALE<br>1"= 200'      |                       |  |   |                         |
| IN CHARGE<br>A.AAAA           | SHEET NO.<br>A1-39     |                       |  |   |                         |
| DATE<br>##-##-##              |                        |                       |  |   |                         |
| <b>Preliminary 10/29/2009</b> |                        |                       |  | DATE PLOTTED: 11/05/2009  |                         |
|                               |                        |                       |  | PLOTTER: HP DesignJet 540   |                         |

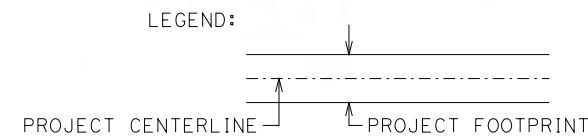
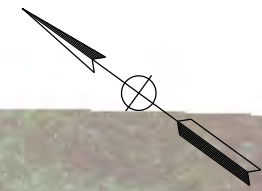




8335+00      8340+00      8345+00      8350+00      8355+00      8360+00      8365+00      8370+00      8375+00      8380+00      8385+00      8390+00      8395+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-40      |
|  | DATE<br>##-##-##       |                       |  |   |                         |



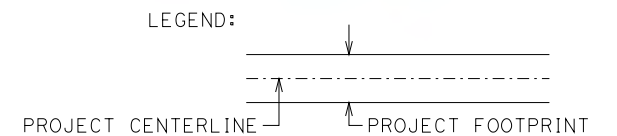
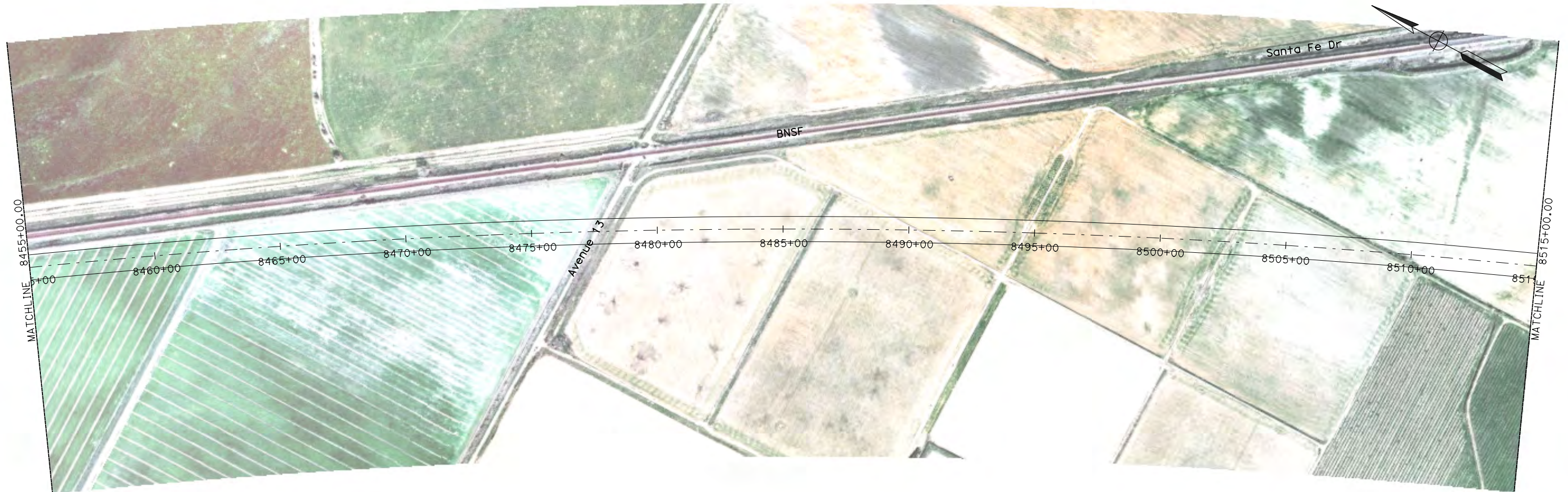


8395+00      8400+00      8405+00      8410+00      8415+00      8420+00      8425+00      8430+00      8435+00      8440+00      8445+00      8450+00      8455+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-41      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

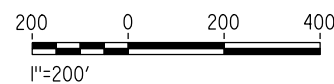
Preliminary 10/29/2009





AT-GRADE

8455+00      8460+00      8465+00      8470+00      8475+00      8480+00      8485+00      8490+00      8495+00      8500+00      8505+00      8510+00      8515+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

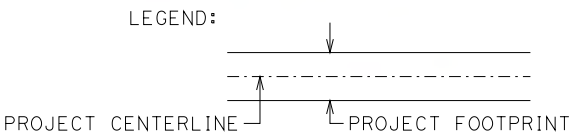


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-42





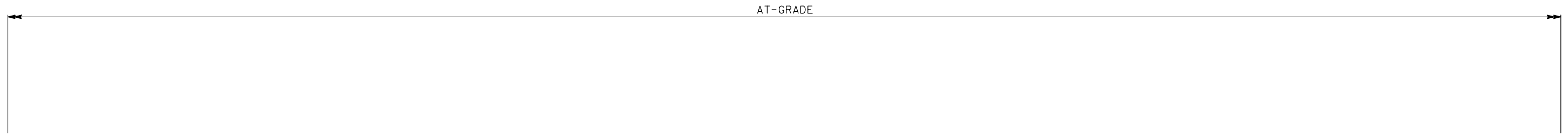
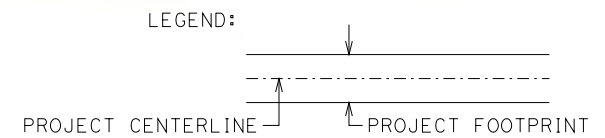
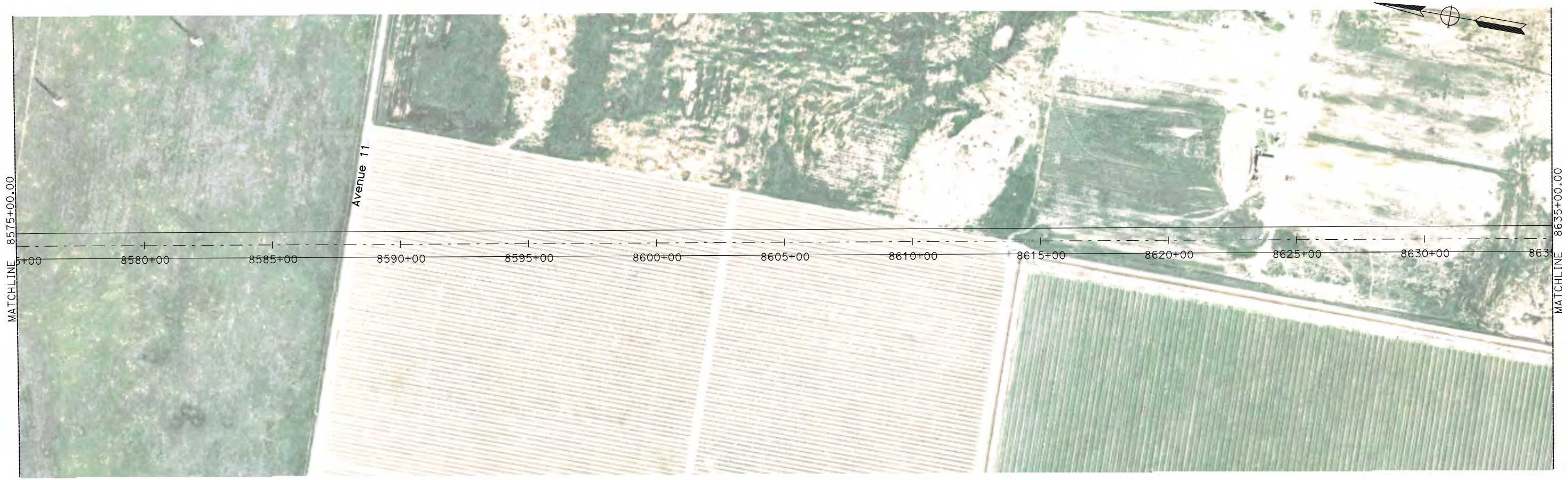
AT-GRADE

8515+00      8520+00      8525+00      8530+00      8535+00      8540+00      8545+00      8550+00      8555+00      8560+00      8565+00      8570+00      8575+00

|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-43      |

Preliminary 10/29/2009





8575+00      8580+00      8585+00      8590+00      8595+00      8600+00      8605+00      8610+00      8615+00      8620+00      8625+00      8630+00      8635+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYYY    |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

**AECOM CH2MHILL**

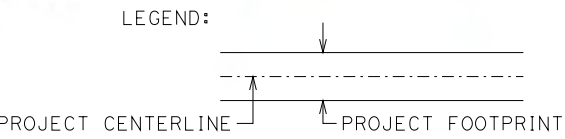
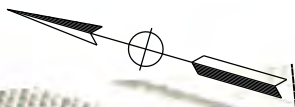


**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-44      |





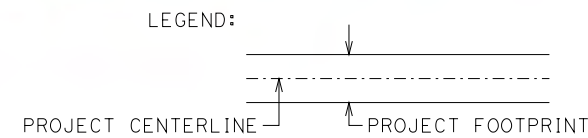
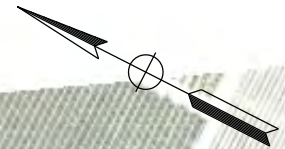
AT-GRADE

8635+00      8640+00      8645+00      8650+00      8655+00      8660+00      8665+00      8670+00      8675+00      8680+00      8685+00      8690+00      8695+00

|  |   |                       |  |   |                         |
|--|---|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX                  | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY                      |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ                    |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA<br>DATE<br>##-##-## |                       |  |   | SHEET NO.<br>A1-45      |

Preliminary 10/29/2009





AT-GRADE

8695+00      8700+00      8705+00      8710+00      8715+00      8720+00      8725+00      8730+00      8735+00      8740+00      8745+00      8750+00      8755+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

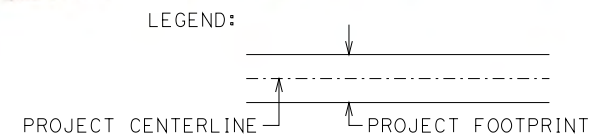
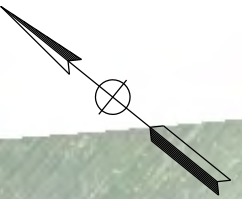
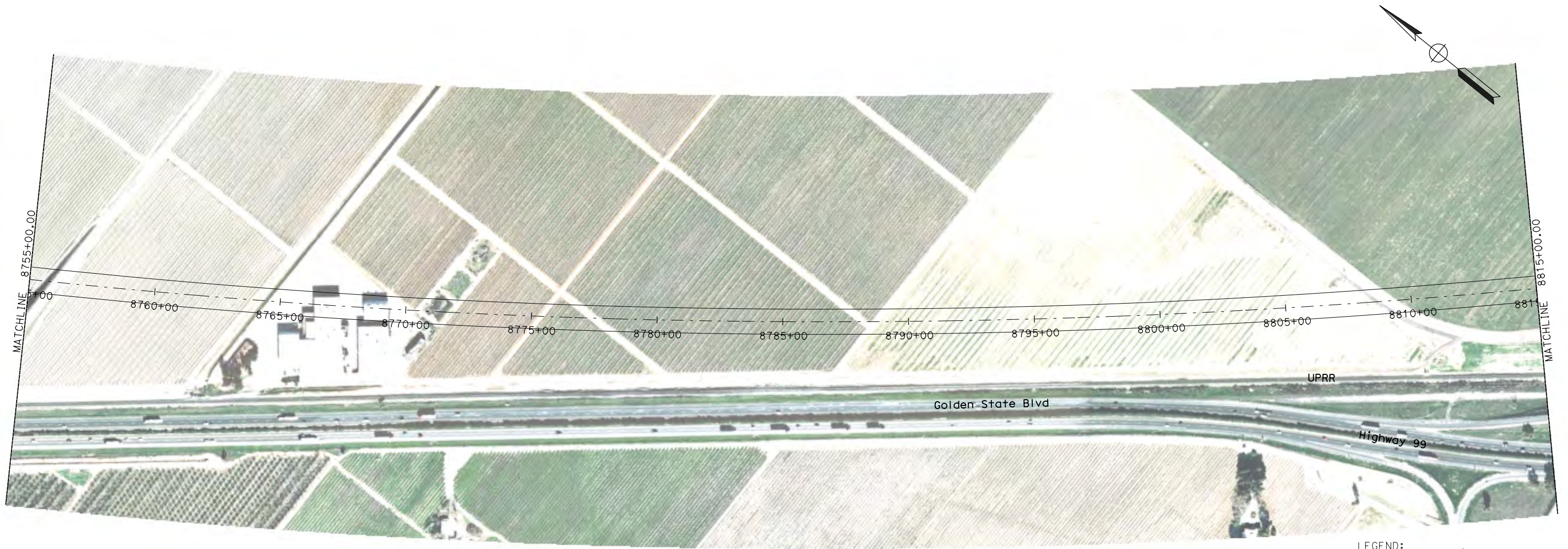


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-46





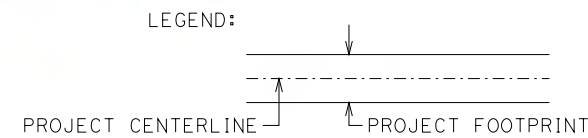
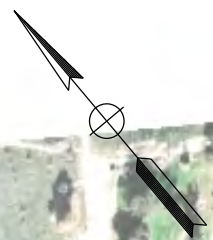
AT-GRADE

8755+00      8760+00      8765+00      8770+00      8775+00      8780+00      8785+00      8790+00      8795+00      8800+00      8805+00      8810+00      8815+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-47      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





8815+00      8820+00      8825+00      8830+00      8835+00      8840+00      8845+00      8850+00      8855+00      8860+00      8865+00      8870+00      8875+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

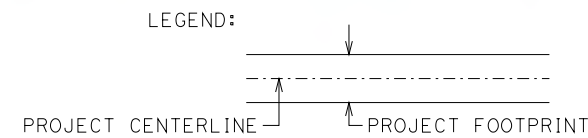
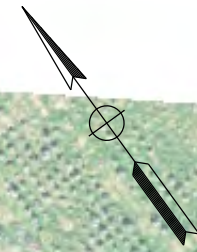
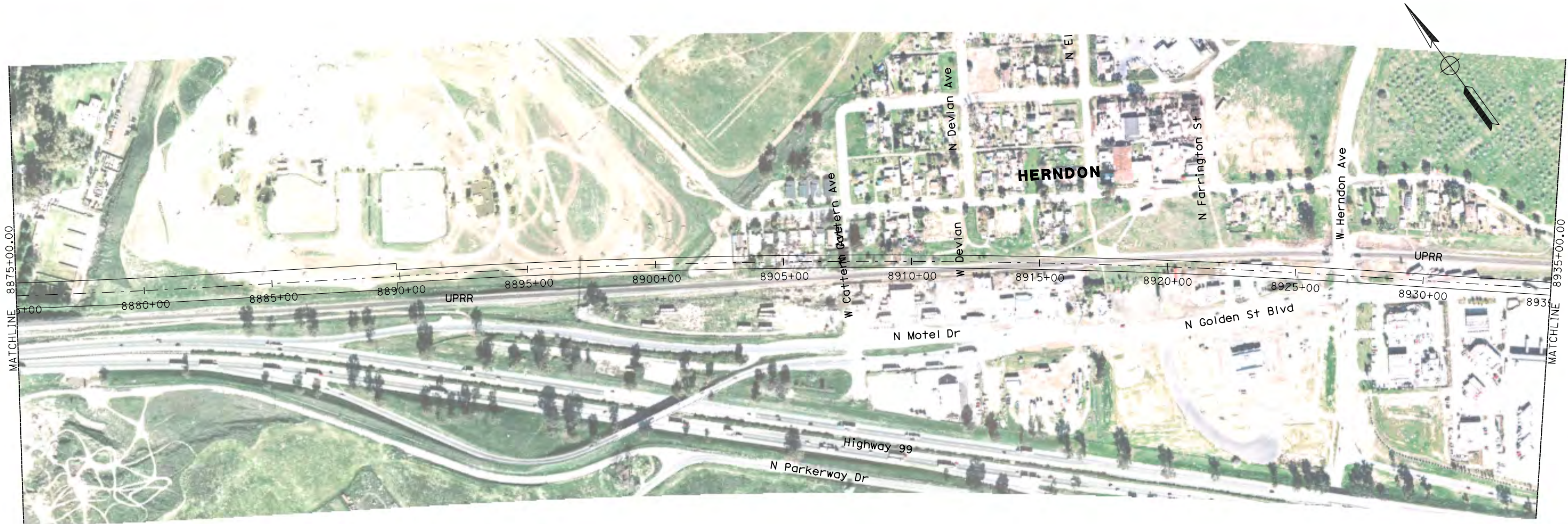
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-48



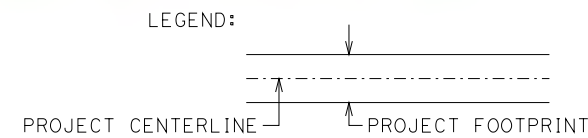


8875+00      8880+00      8885+00      8890+00      8895+00      8900+00      8905+00      8910+00      8915+00      8920+00      8925+00      8930+00      8935+00

|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-49      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





8935+00      8940+00      8945+00      8950+00      8955+00      8960+00      8965+00      8970+00      8975+00      8980+00      8985+00      8990+00      8995+00



|                        |
|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYY     |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

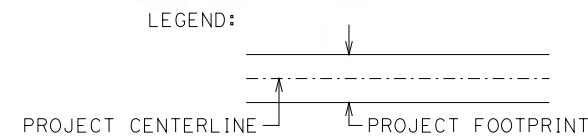
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1  
**Preliminary 10/29/2009**

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A1-50      |





AT-GRADE

8995+00      9000+00      9005+00      9010+00      9015+00      9020+00      9025+00      9030+00      9035+00      9040+00      9045+00      9050+00      9055+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

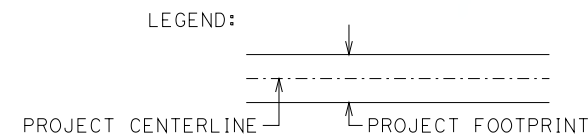
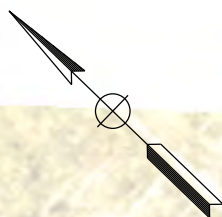


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

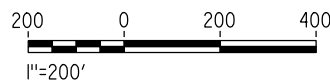
CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-51





AT-GRADE

9055+00      9060+00      9065+00      9070+00      9075+00      9080+00      9085+00      9090+00      9095+00      9100+00      9105+00      9110+00      9115+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

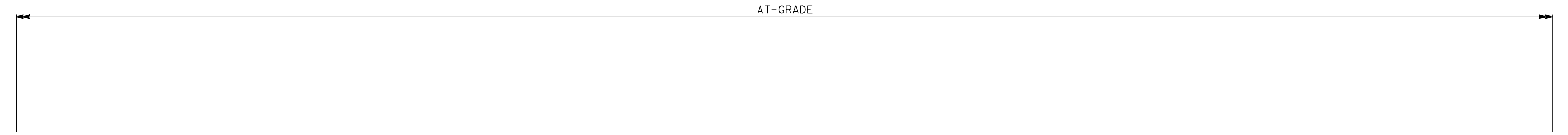
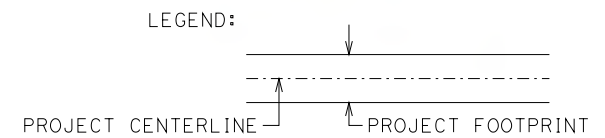
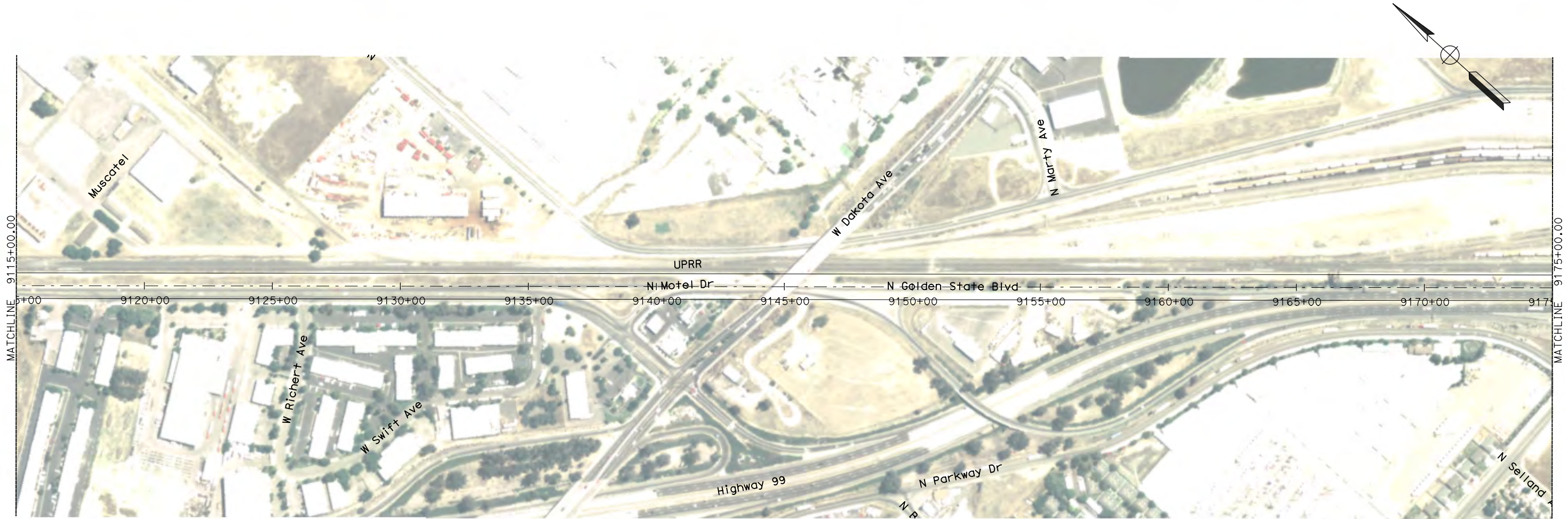


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-52

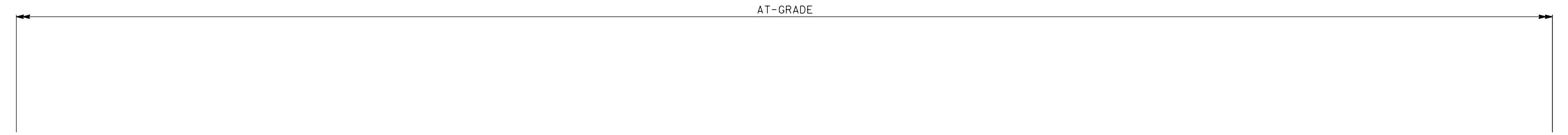
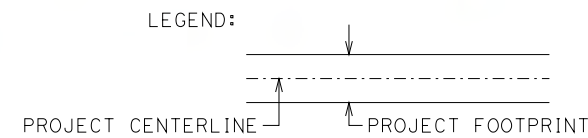
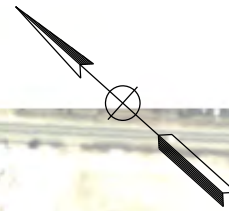
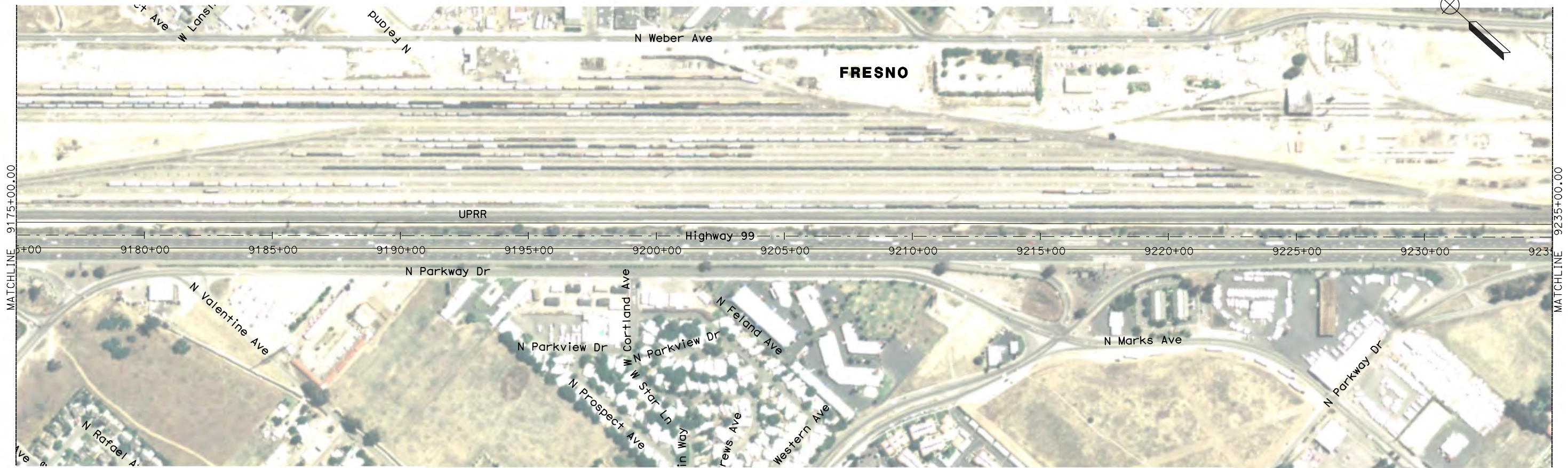




9115+00      9120+00      9125+00      9130+00      9135+00      9140+00      9145+00      9150+00      9155+00      9160+00      9165+00      9170+00      9175+00

|                               |                        |                       |  |   |                         |
|-------------------------------|------------------------|-----------------------|--|---|-------------------------|
|                               | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|                               | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|                               | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|                               | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-53      |
|                               | DATE<br>##-##-##       |                       |  |   |                         |
| <b>Preliminary 10/29/2009</b> |                        |                       |  | DATE PLOTTED: 11/05/2009  |                         |
|                               |                        |                       |  | USER: NAME: 10/29/2009  |                         |



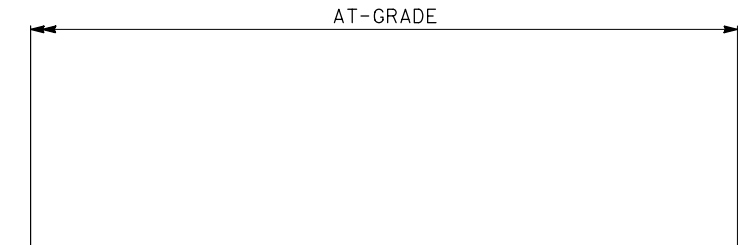
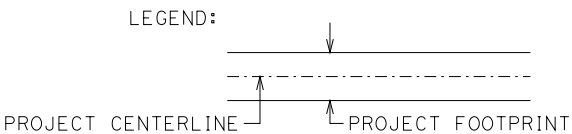
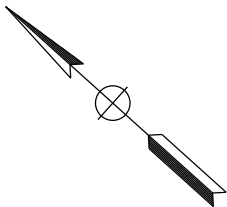
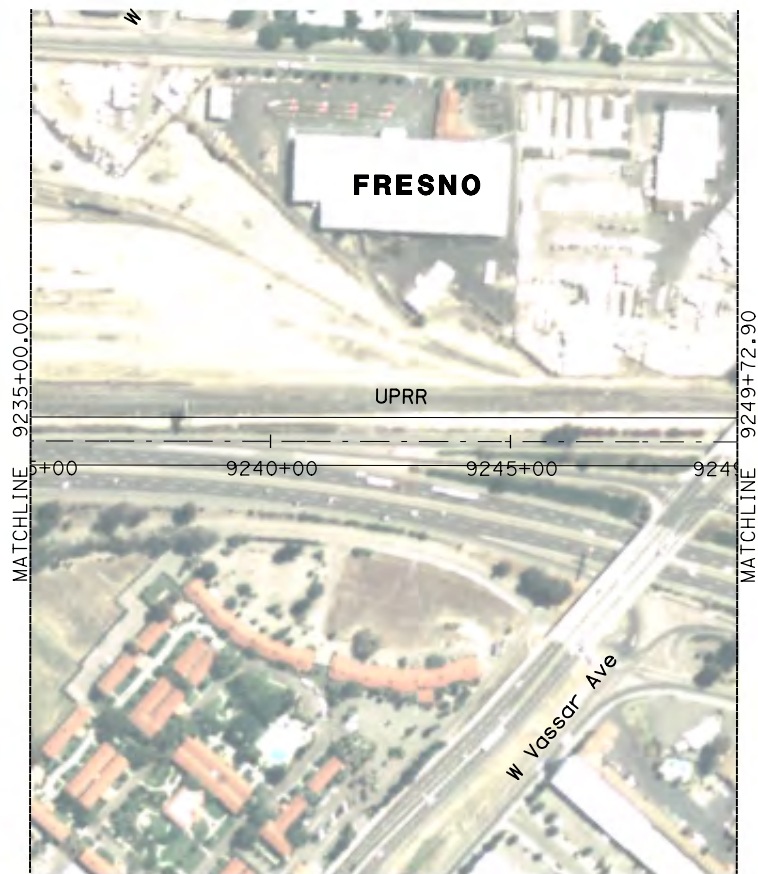


9175+00      9180+00      9185+00      9190+00      9195+00      9200+00      9205+00      9210+00      9215+00      9220+00      9225+00      9230+00      9235+00

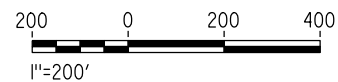
|  |                        |                       |  |   |                         |
|--|------------------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY<br>X.XXXXX | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A1 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY<br>Y.YYYY     |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY<br>Z.ZZZZ   |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE<br>A.AAAA    |                       |  |   | SHEET NO.<br>A1-54      |
|  | DATE<br>##-##-##       |                       |  |   |                         |

Preliminary 10/29/2009





9235+00      9240+00      9245+00      9250+00



DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM **CH2MHILL**

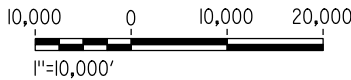
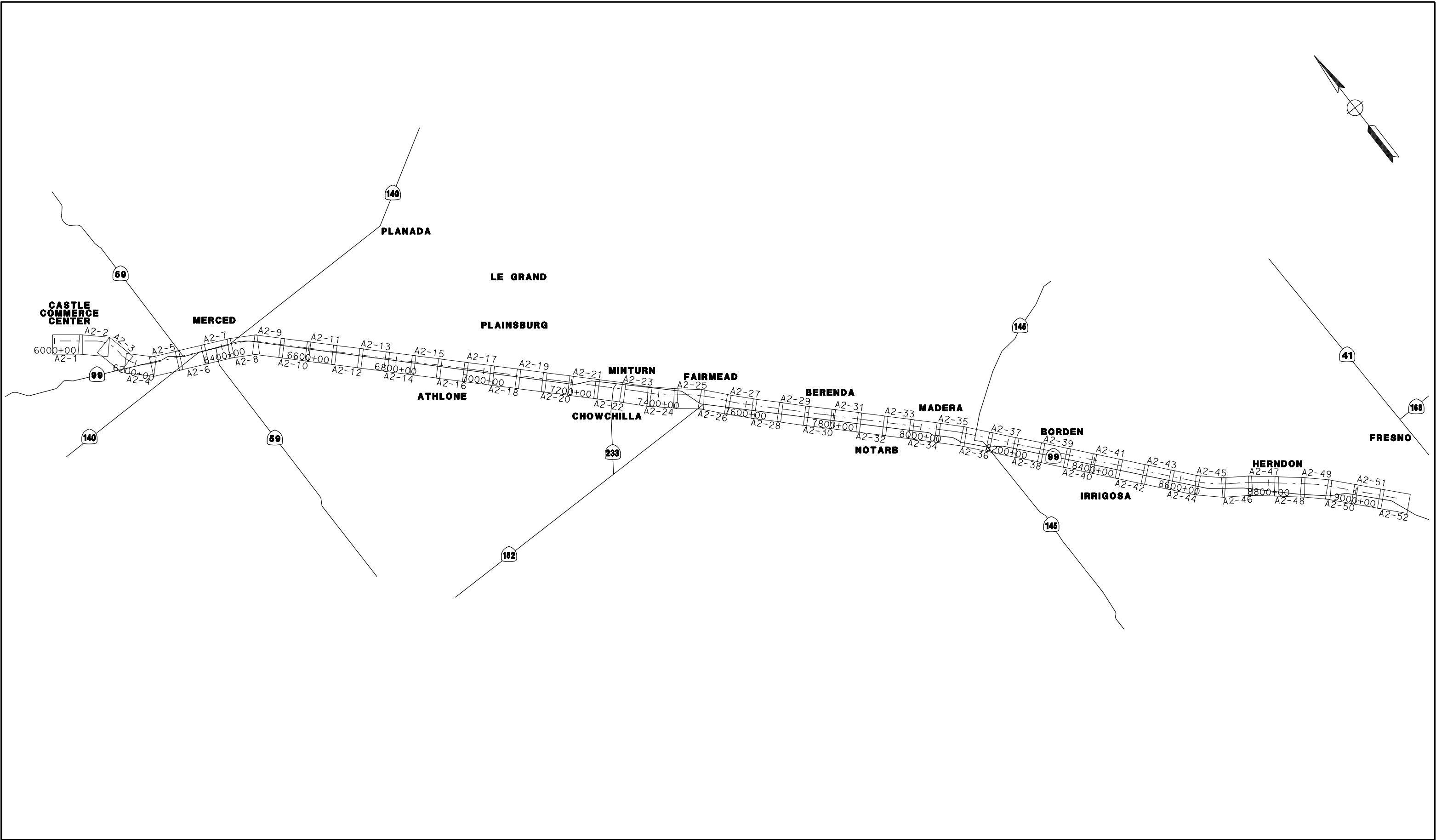


**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A1

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1"= 200'  
SHEET NO.  
A1-55





DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL

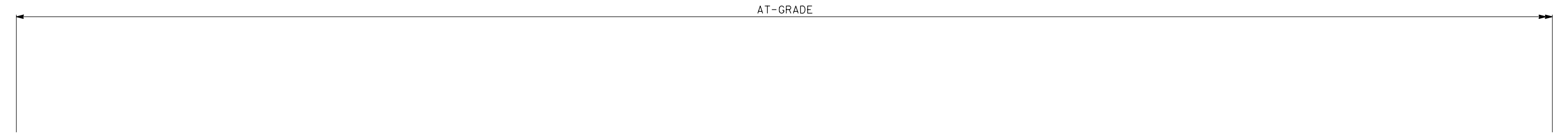
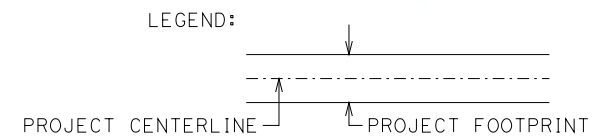
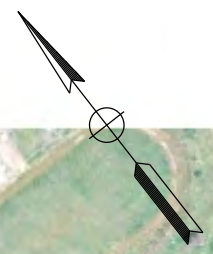
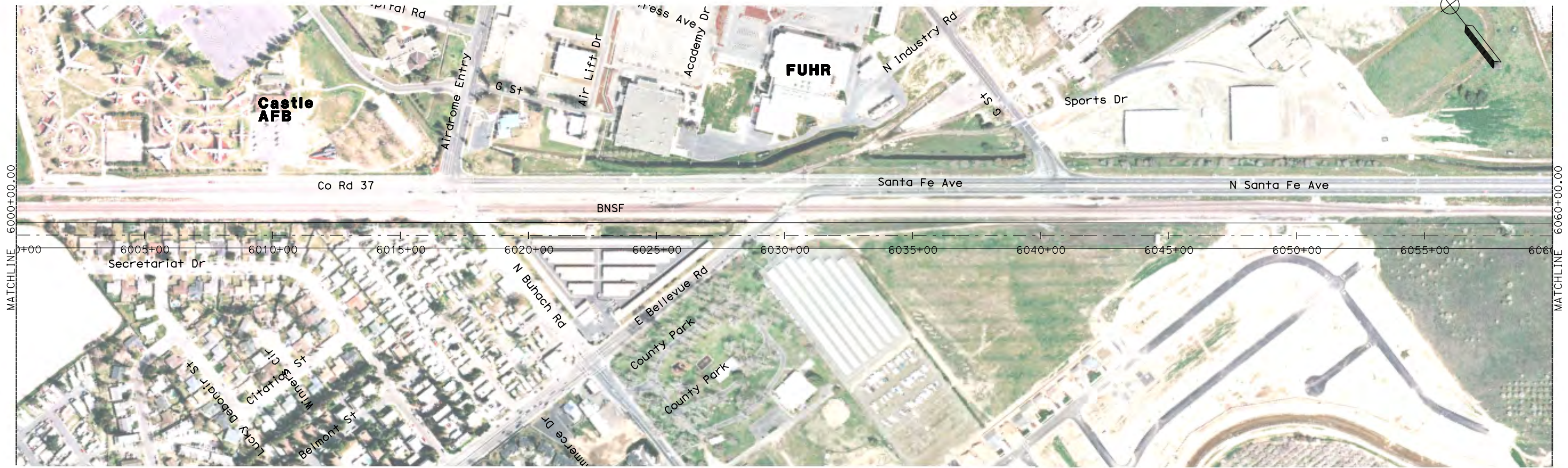


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1" = 10,000'  
SHEET NO.  
A2-KEY MAP

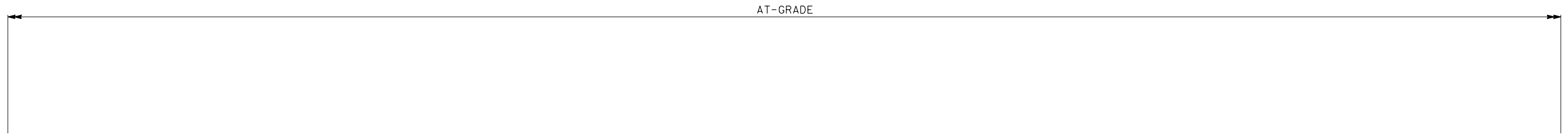
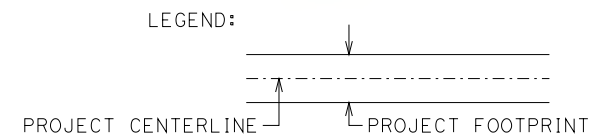
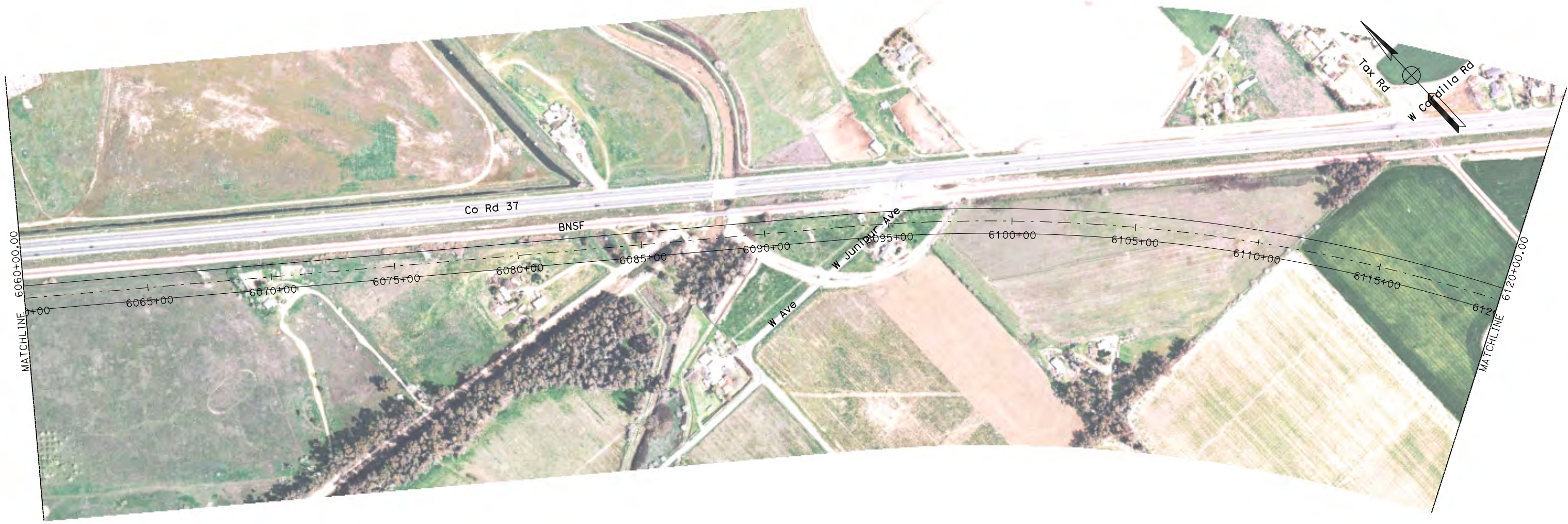




6000+00      6005+00      6010+00      6015+00      6020+00      6025+00      6030+00      6035+00      6040+00      6045+00      6050+00      6055+00      6060+00

|  |             |                       |  |   |                         |
|--|-------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A2<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY  |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE   |                       |  |   | SHEET NO.<br>A2-1       |
|  | DATE        |                       |  |   |                         |





6060+00      6065+00      6070+00      6075+00      6080+00      6085+00      6090+00      6095+00      6100+00      6105+00      6110+00      6115+00      6120+00



|             |
|-------------|
| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



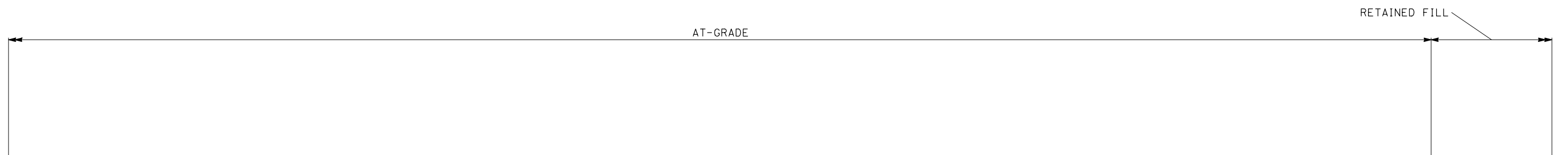
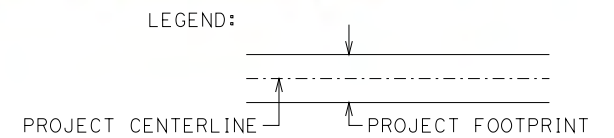
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

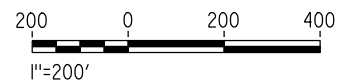
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-2     |

DATE PLOTTED: 11/05/2009 10:40:12 AM





6120+00      6125+00      6130+00      6135+00      6140+00      6145+00      6150+00      6155+00      6160+00      6165+00      6170+00      6175+00      6180+00



|             |
|-------------|
| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

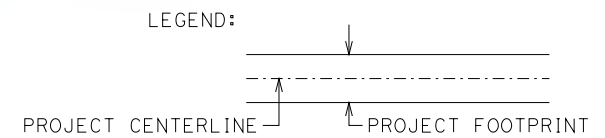
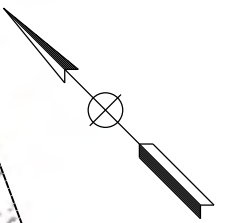
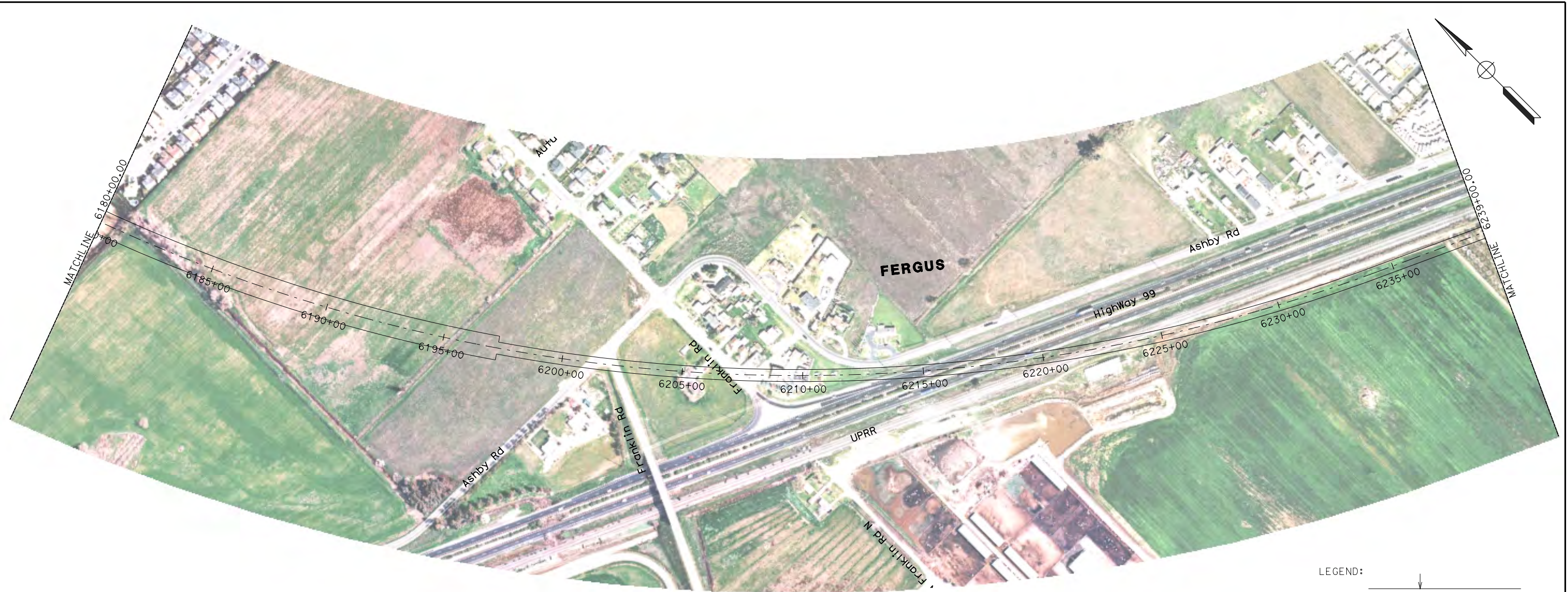


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-3     |





6180+00      6185+00      6190+00      6195+00      6200+00      6205+00      6210+00      6215+00      6220+00      6225+00      6230+00      6235+00      6239+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

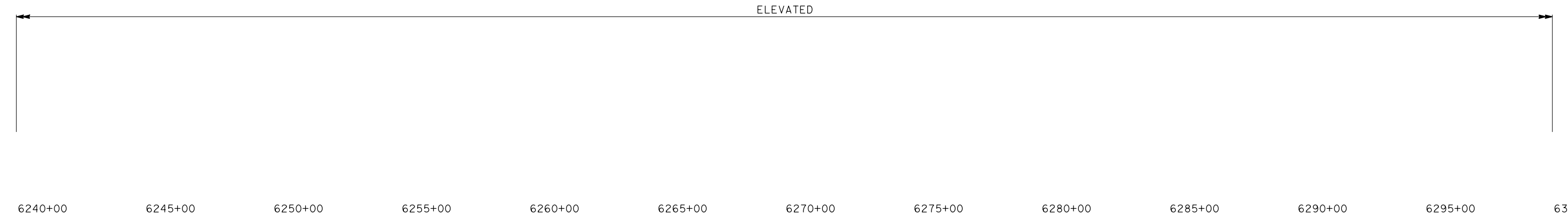
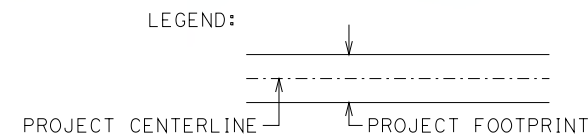
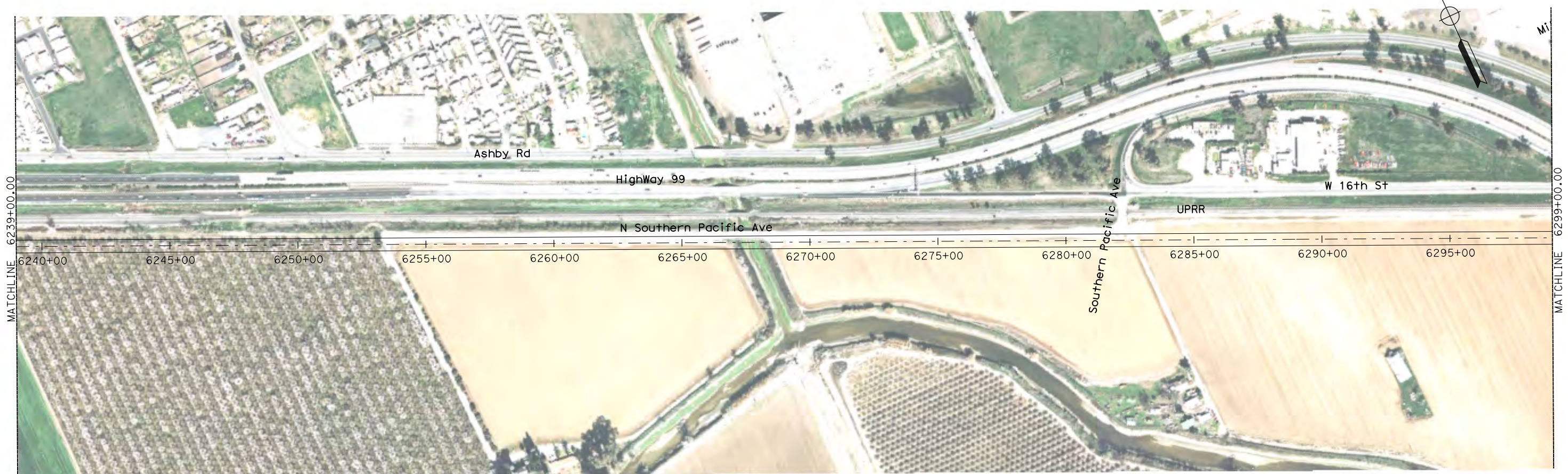
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-4     |





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| IN CHARGE   |
| DATE        |

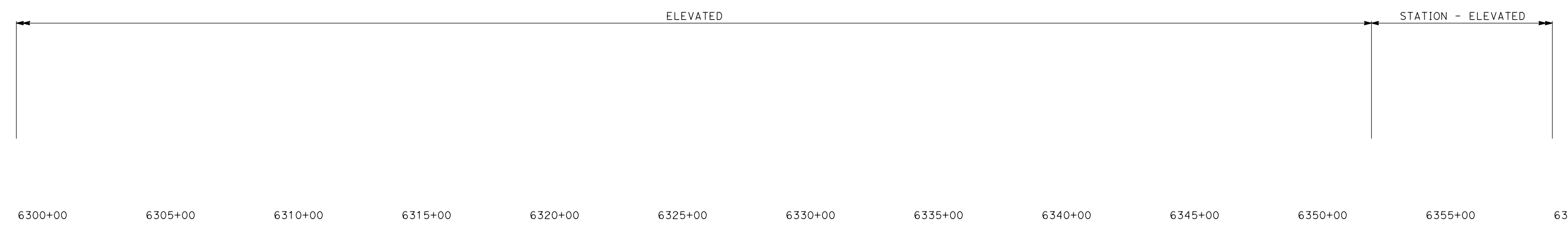
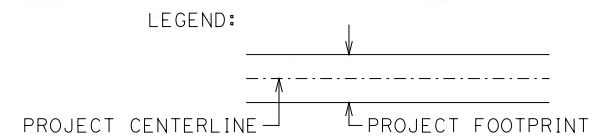
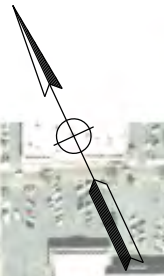
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-5     |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

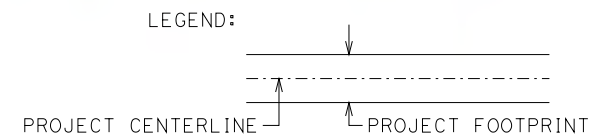
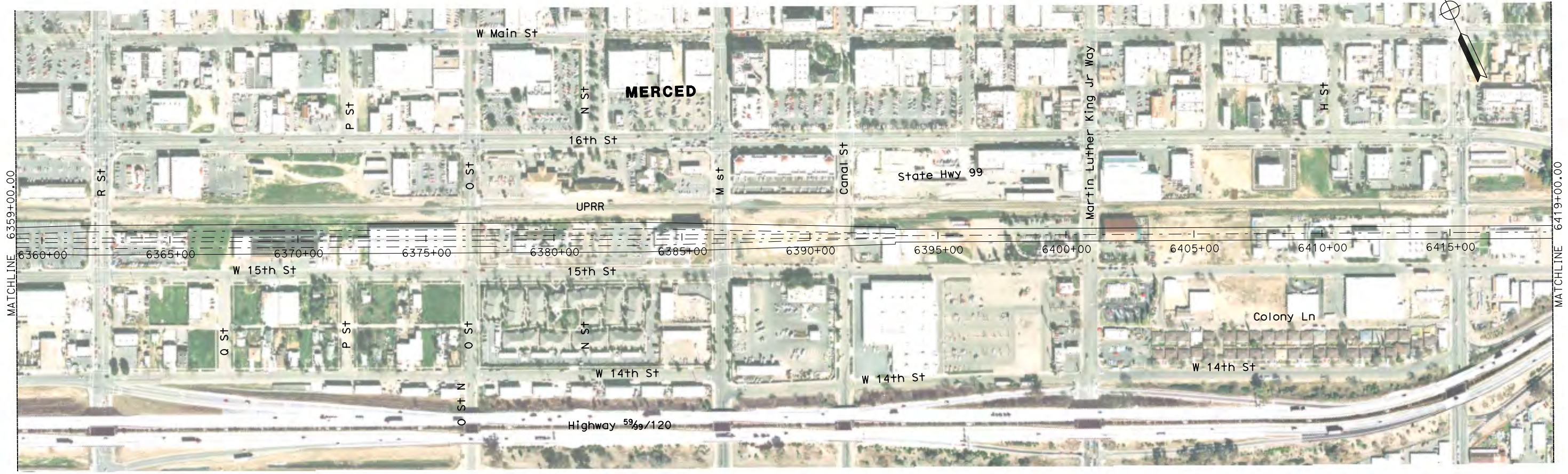
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-6     |





6360+00      6365+00      6370+00      6375+00      6380+00      6385+00      6390+00      6395+00      6400+00      6405+00      6410+00      6415+00      6420+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM

CH2MHILL

CALIFORNIA HIGH SPEED RAIL AUTHORITY

FLY CALIFORNIA

Without ever leaving the ground.

CALIFORNIA HIGH SPEED TRAIN PROJECT

SACRAMENTO TO FRESNO ALIGNMENT STUDY

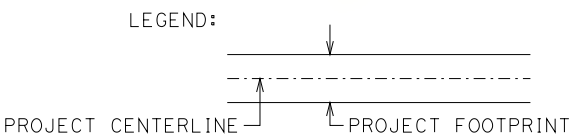
MERCED TO FRESNO SECTION

ALTERNATIVE A2

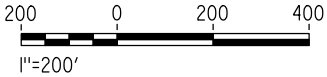
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-7     |





6420+00      6425+00      6430+00      6435+00      6440+00      6445+00      6450+00      6455+00      6460+00      6465+00      6470+00      6475+00      6480+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

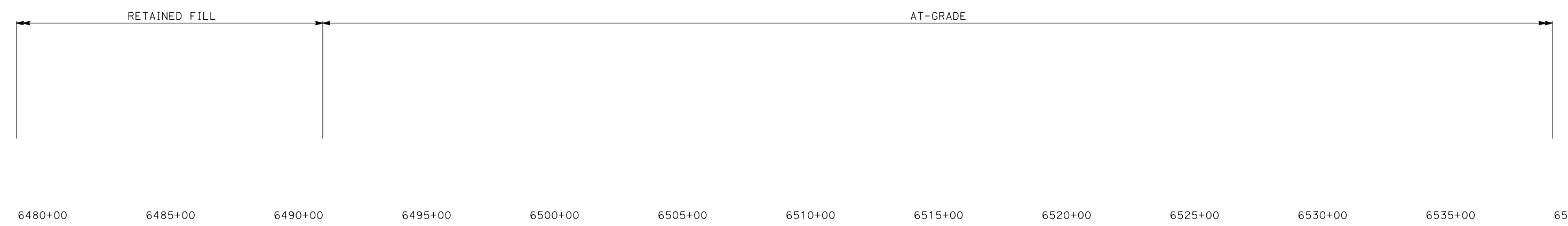
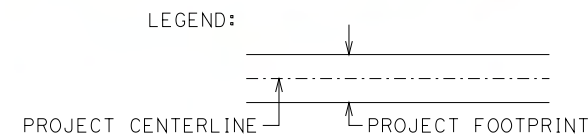
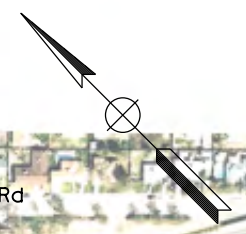


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-8     |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

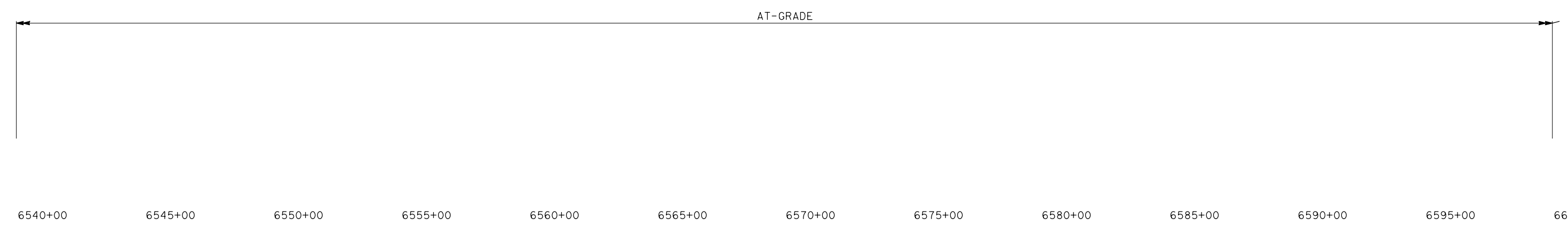
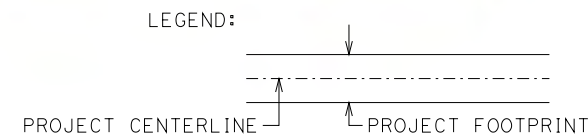
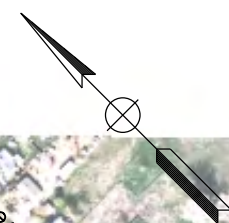
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-9       |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

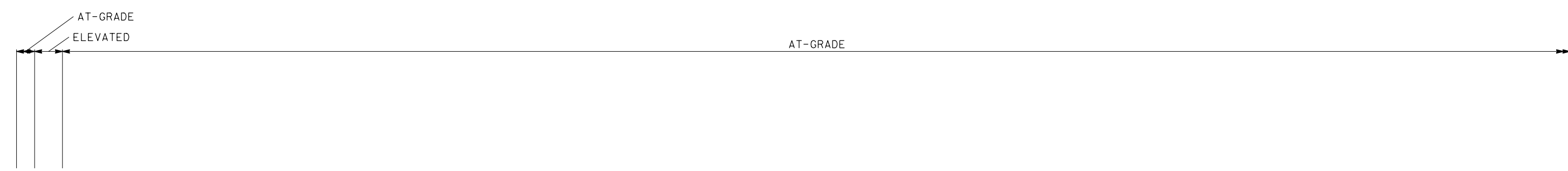
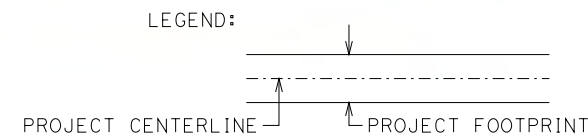
**AECOM CH2MHILL**



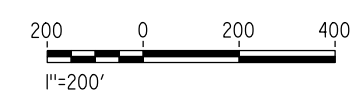
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-10      |





6600+00      6605+00      6610+00      6615+00      6620+00      6625+00      6630+00      6635+00      6640+00      6645+00      6650+00      6655+00      6660+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

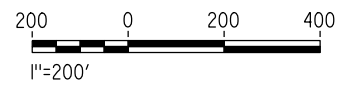
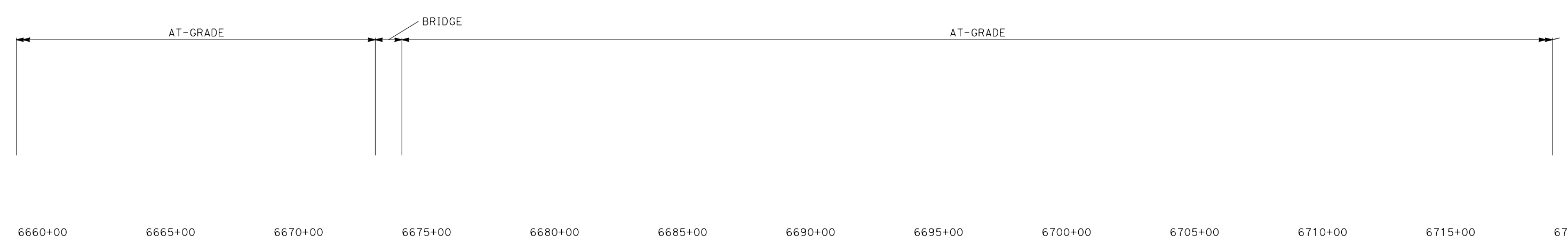
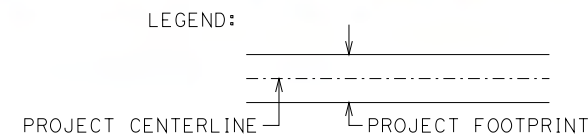


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-11    |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

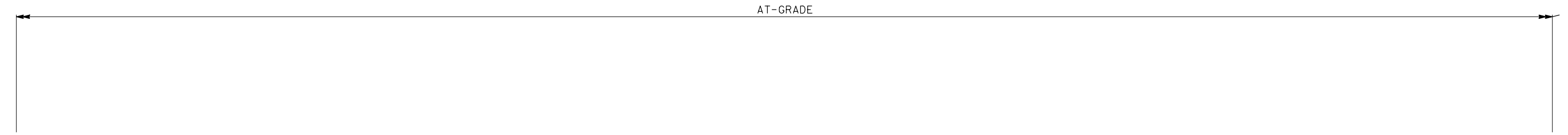
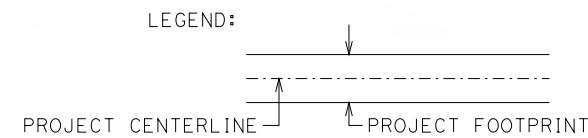
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-12      |





6720+00      6725+00      6730+00      6735+00      6740+00      6745+00      6750+00      6755+00      6760+00      6765+00      6770+00      6775+00      6780+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

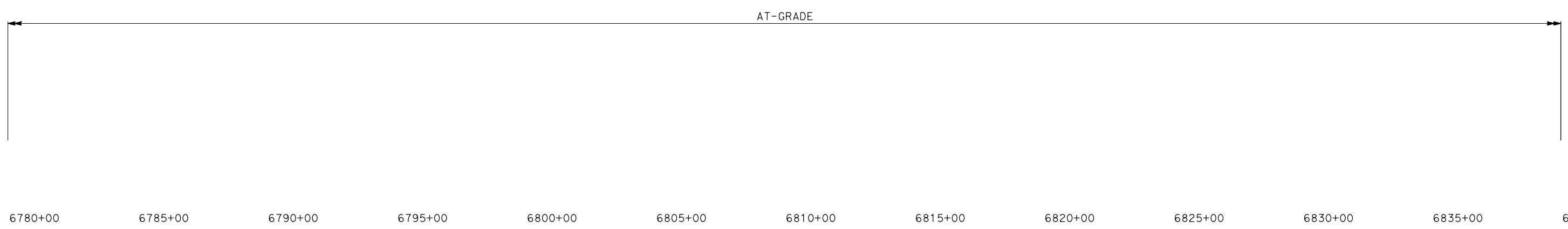
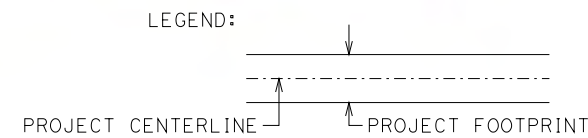
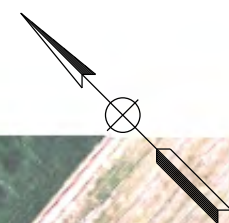


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-13    |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

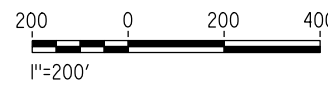
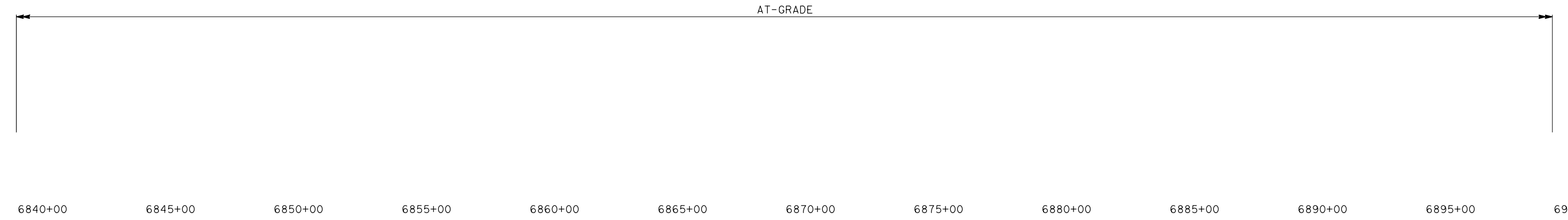
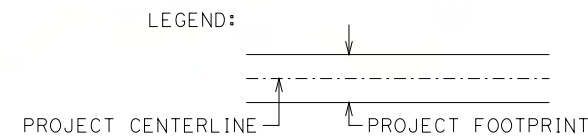
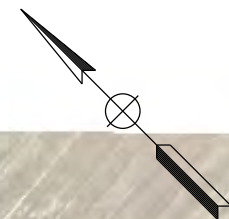
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-14      |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

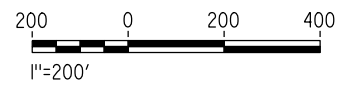
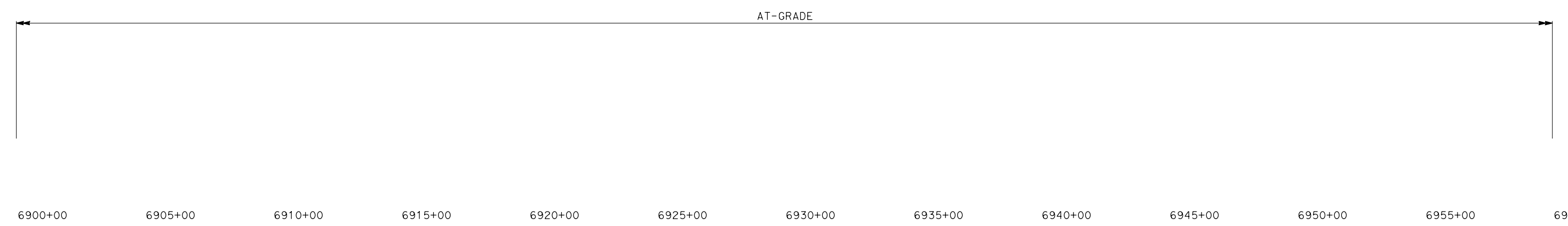
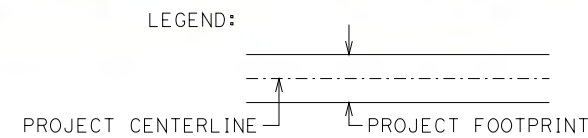
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-15    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

**AECOM CH2MHILL**



CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**

*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**

**SACRAMENTO TO FRESNO ALIGNMENT STUDY**

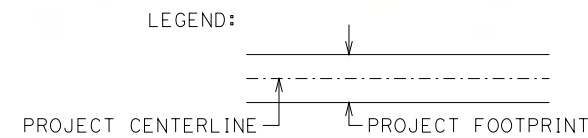
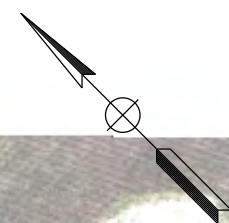
MERCED TO FRESNO SECTION

ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-16    |





6960+00      6965+00      6970+00      6975+00      6980+00      6985+00      6990+00      6995+00      7000+00      7005+00      7010+00      7015+00      7020+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

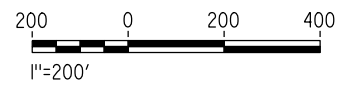
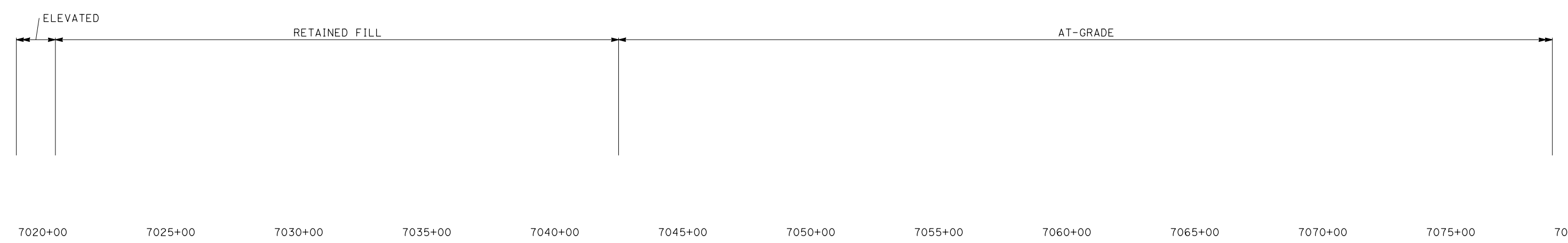
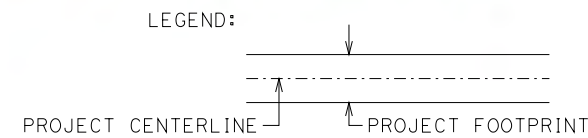
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-17    |





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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

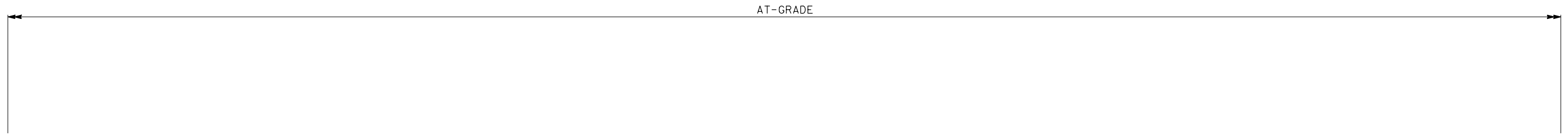
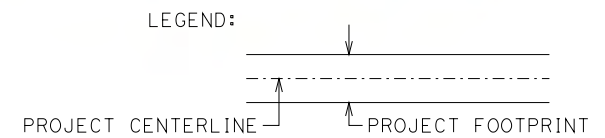
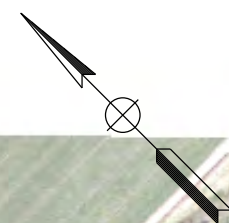
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-18    |





7080+00      7085+00      7090+00      7095+00      7100+00      7105+00      7110+00      7115+00      7120+00      7125+00      7130+00      7135+00      7140+00



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| DESIGNED BY |
| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

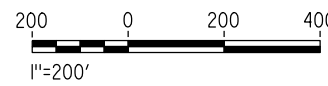
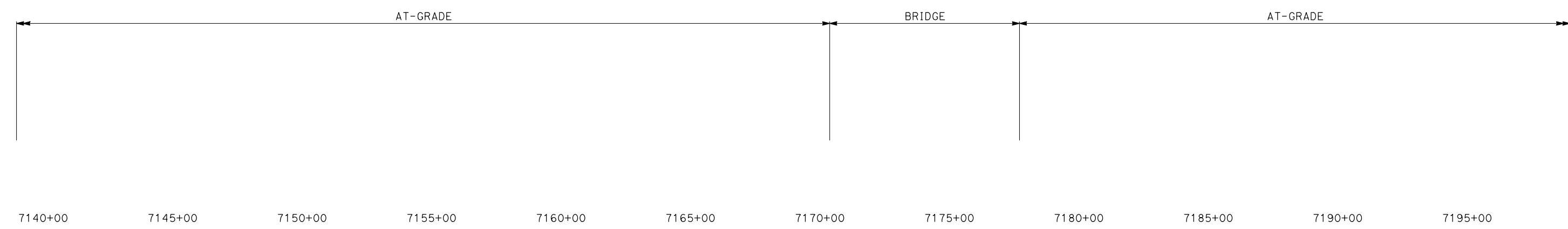
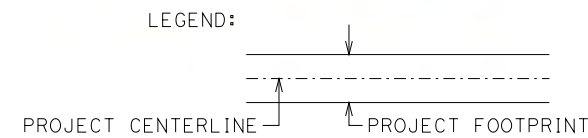
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-19    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

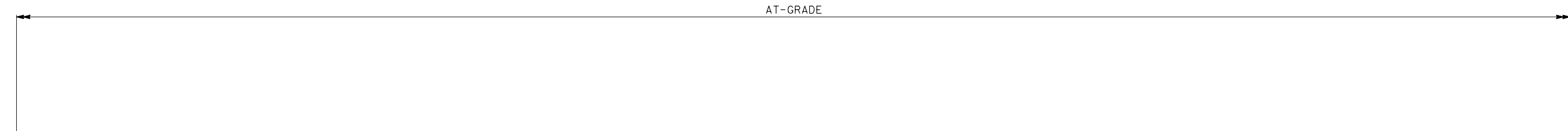
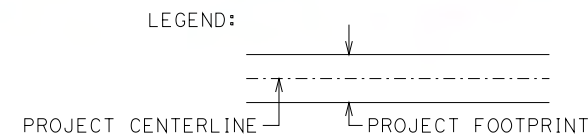
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-20    |





7200+00      7205+00      7210+00      7215+00      7220+00      7225+00      7230+00      7235+00      7240+00      7245+00      7250+00      7255+00      7260+00



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| DESIGNED BY |
| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

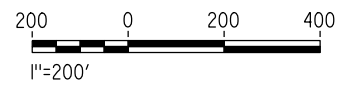
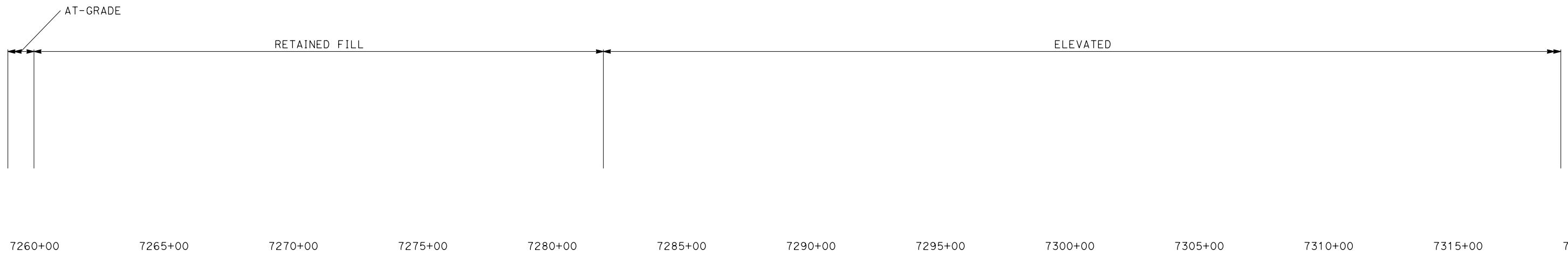
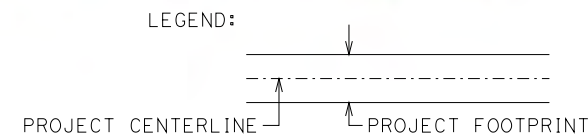
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-21    |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

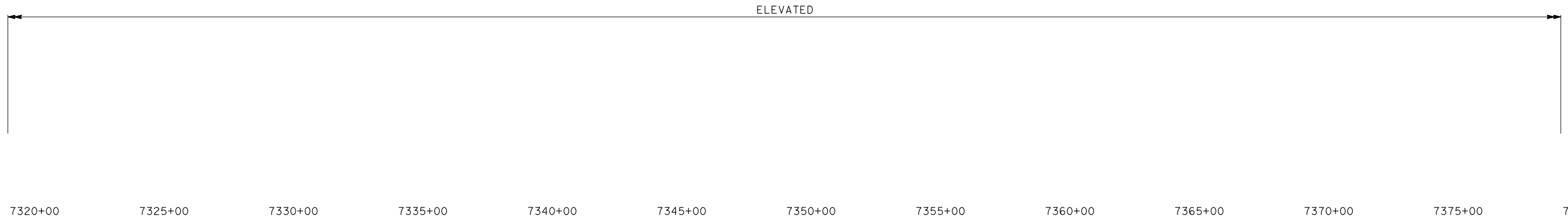
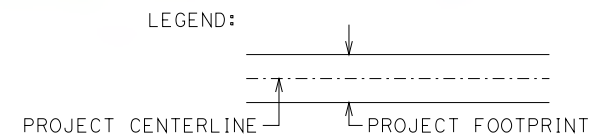
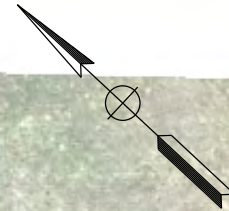
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-22    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
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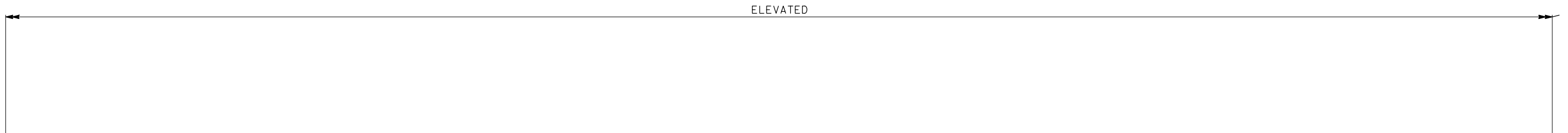
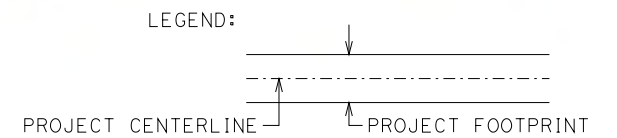
AECOM **CH2MHILL**



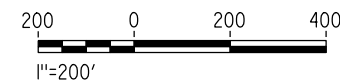
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-23    |





7380+00      7385+00      7390+00      7395+00      7400+00      7405+00      7410+00      7415+00      7420+00      7425+00      7430+00      7435+00      7440+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

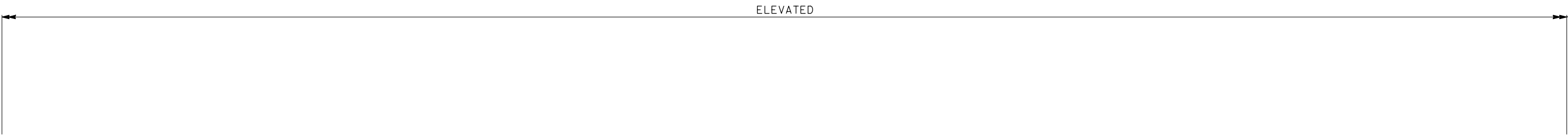
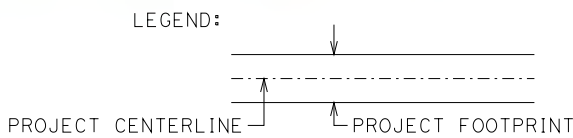
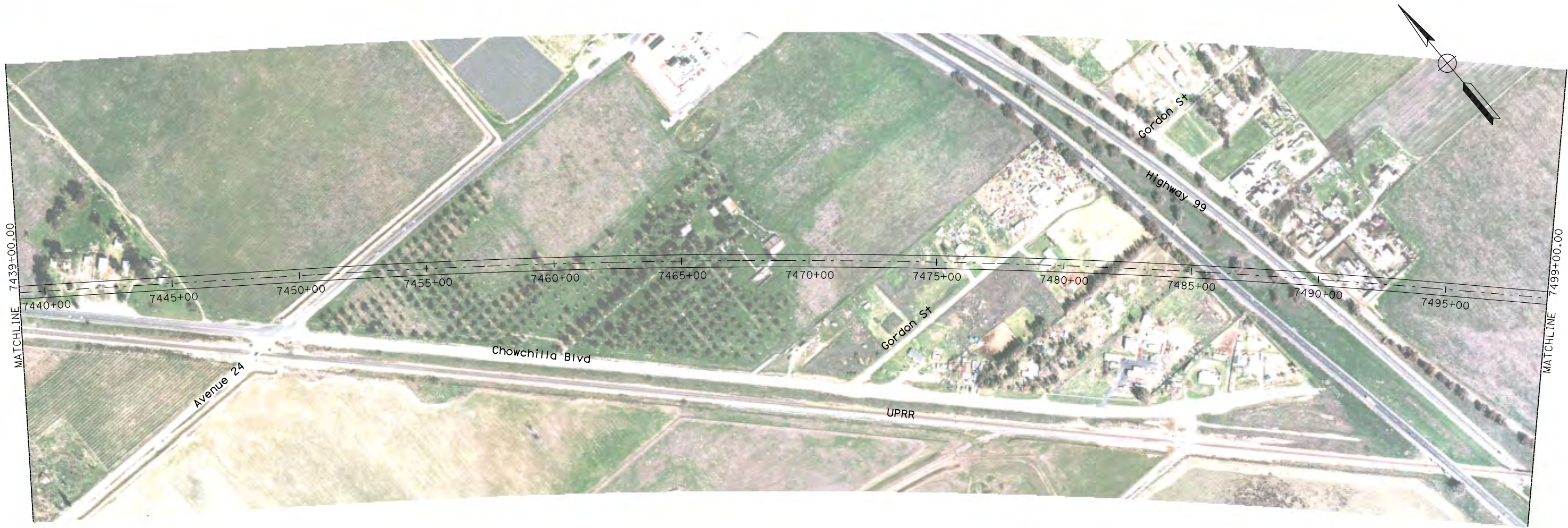


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

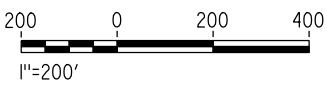
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-24    |





7440+00      7445+00      7450+00      7455+00      7460+00      7465+00      7470+00      7475+00      7480+00      7485+00      7490+00      7495+00      7500+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

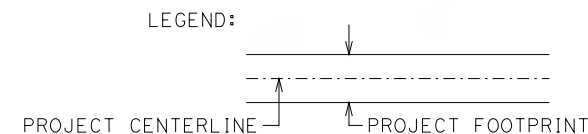


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

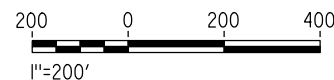
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-25    |





7500+00      7505+00      7510+00      7515+00      7520+00      7525+00      7530+00      7535+00      7540+00      7545+00      7550+00      7555+00      7560+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

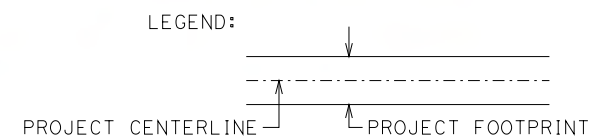
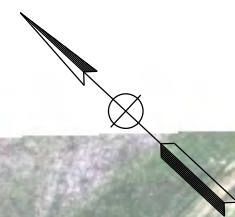


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

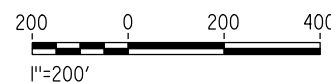
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-26    |





7560+00      7565+00      7570+00      7575+00      7580+00      7585+00      7590+00      7595+00      7600+00      7605+00      7610+00      7615+00      7620+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

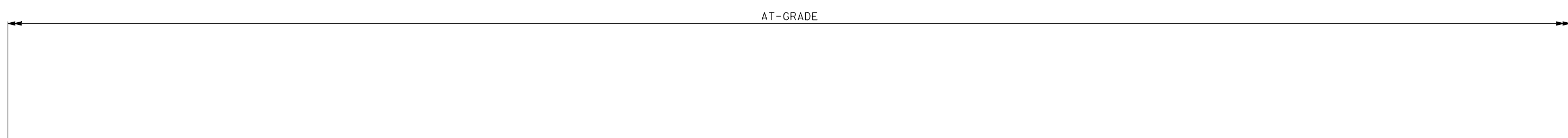
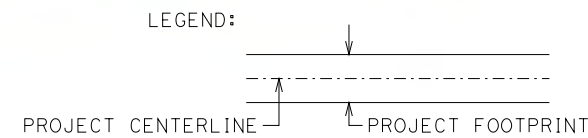
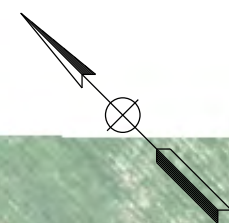
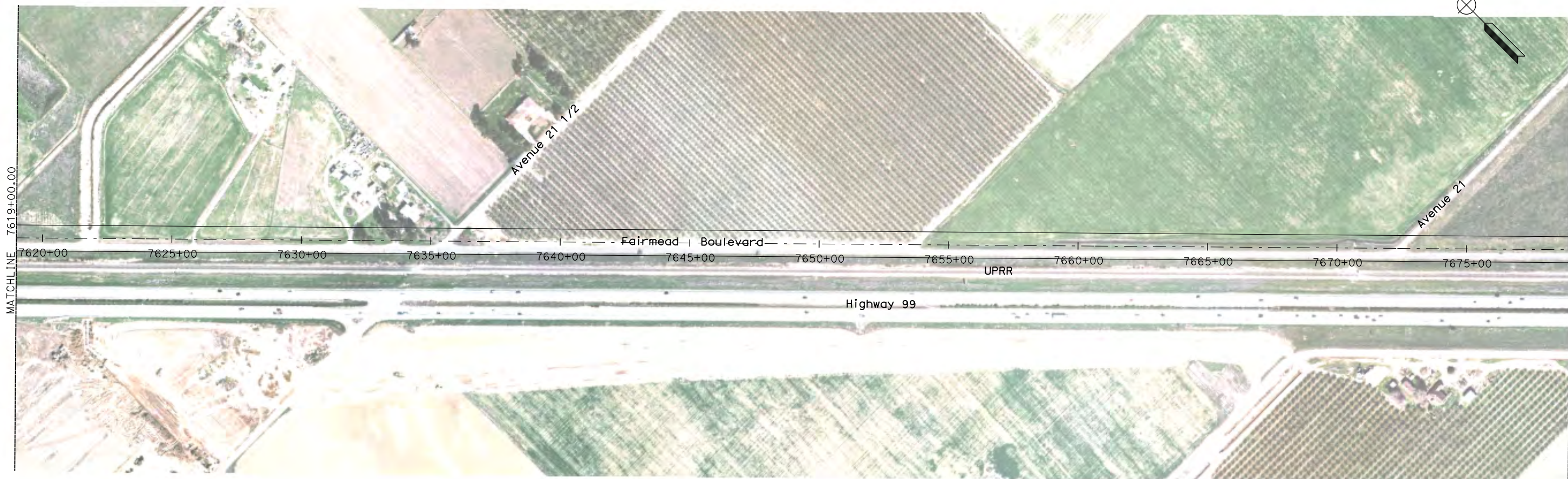


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-27    |





7620+00      7625+00      7630+00      7635+00      7640+00      7645+00      7650+00      7655+00      7660+00      7665+00      7670+00      7675+00      7680+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

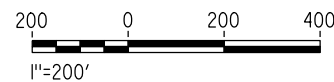
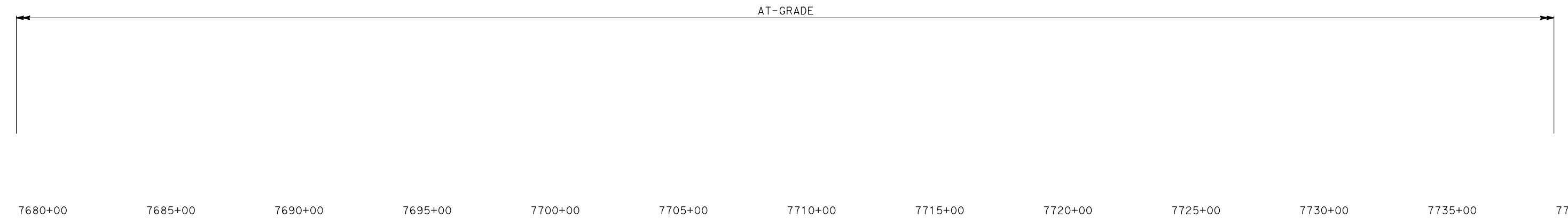
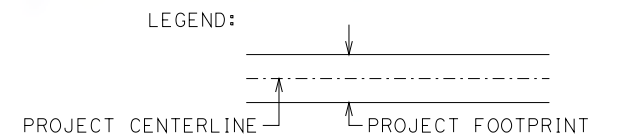
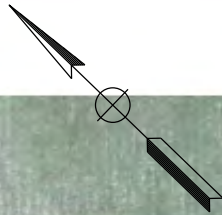
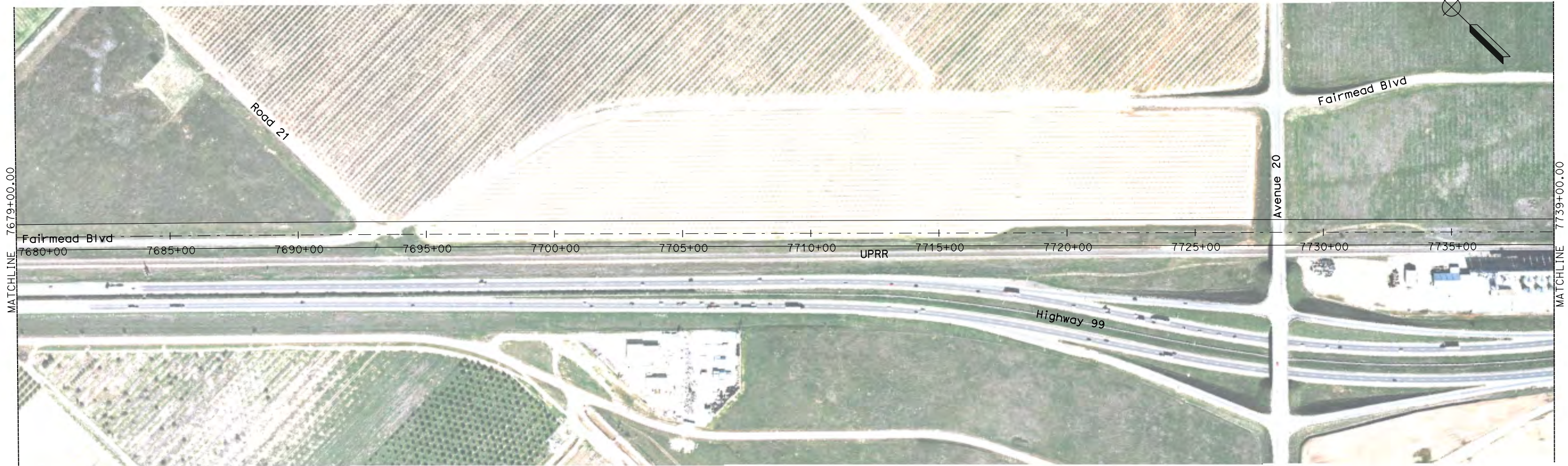
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-28    |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

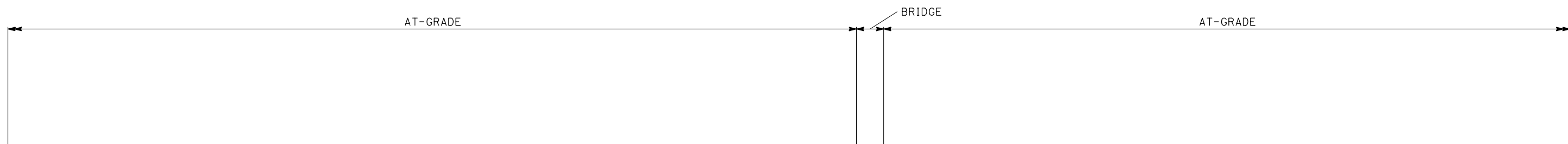
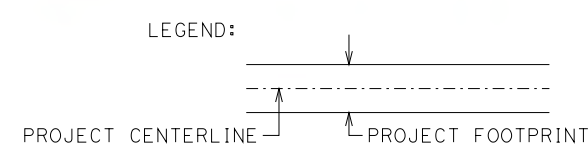
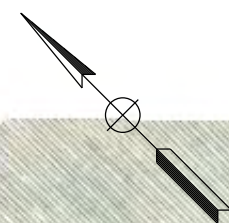


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-29    |





7740+00      7745+00      7750+00      7755+00      7760+00      7765+00      7770+00      7775+00      7780+00      7785+00      7790+00      7795+00      7800+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

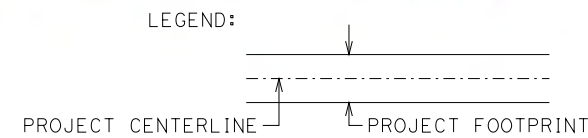
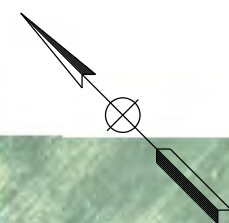
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-30    |





AT-GRADE

7800+00      7805+00      7810+00      7815+00      7820+00      7825+00      7830+00      7835+00      7840+00      7845+00      7850+00      7855+00      7860+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

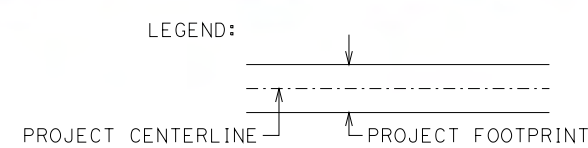
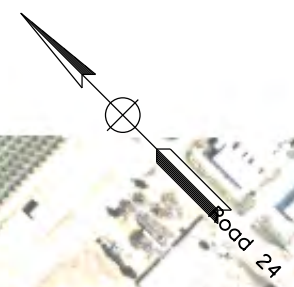
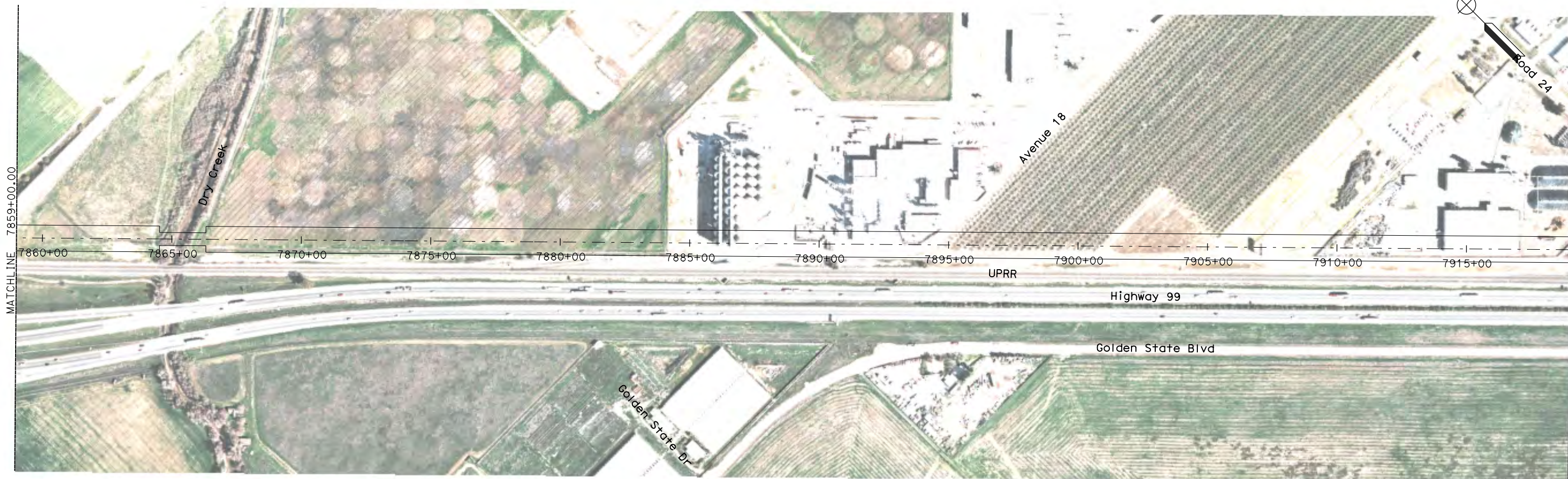
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-31    |





7860+00      7865+00      7870+00      7875+00      7880+00      7885+00      7890+00      7895+00      7900+00      7905+00      7910+00      7915+00      7920+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

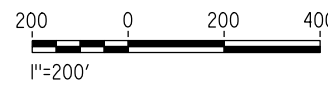
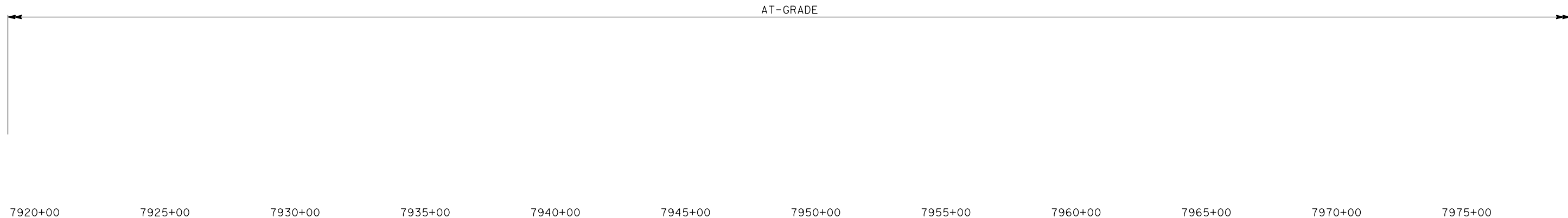
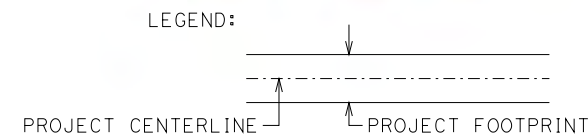
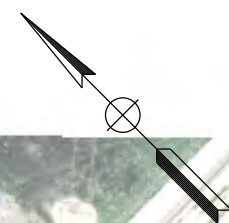
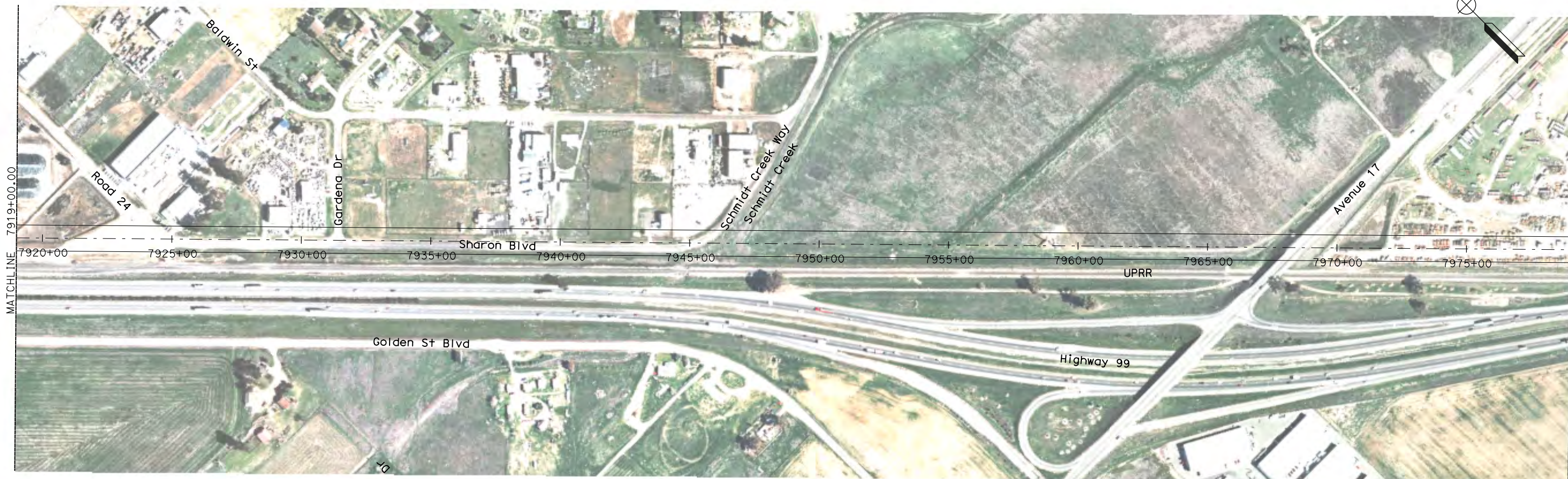
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-32    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

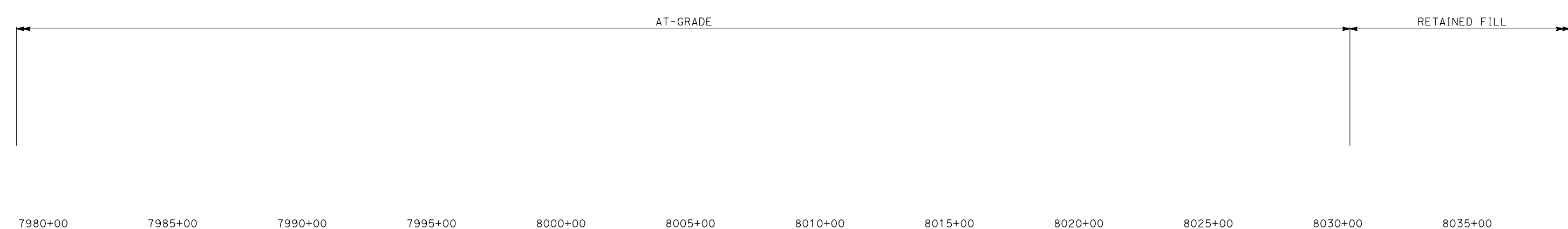
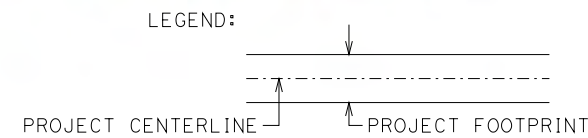
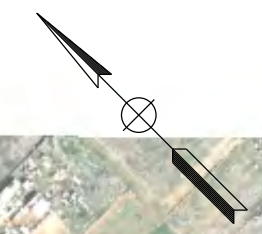
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-33    |





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| DESIGNED BY |
| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

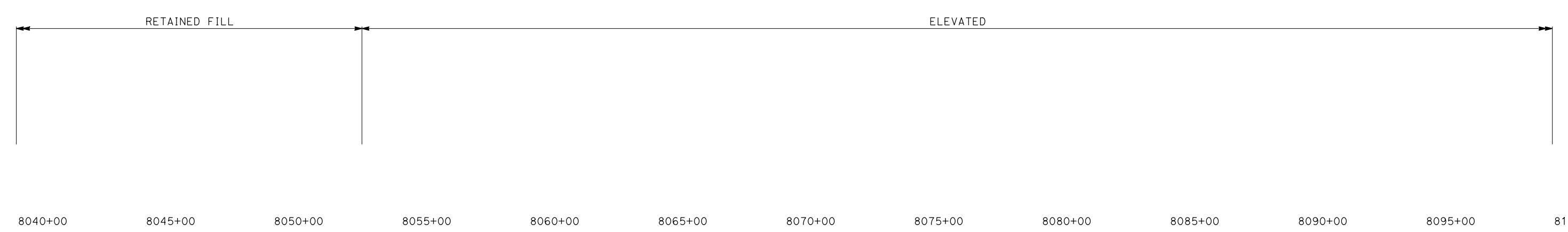
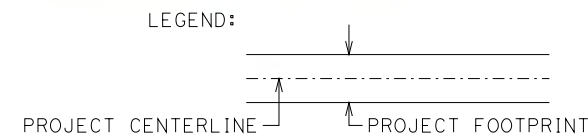
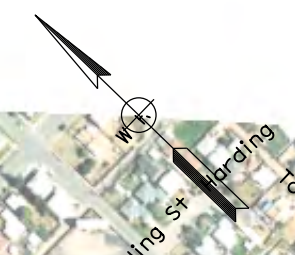
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-34      |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

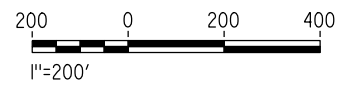
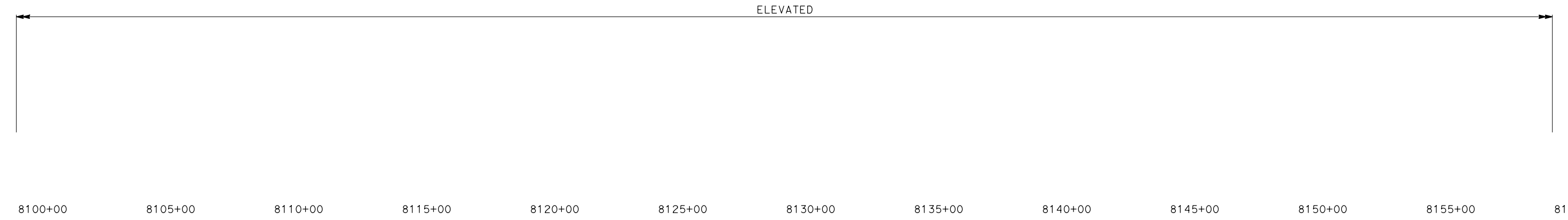
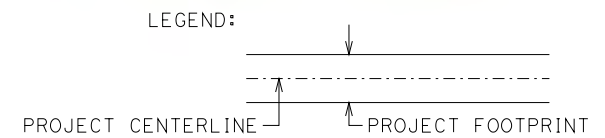
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-35      |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

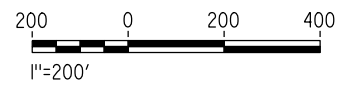
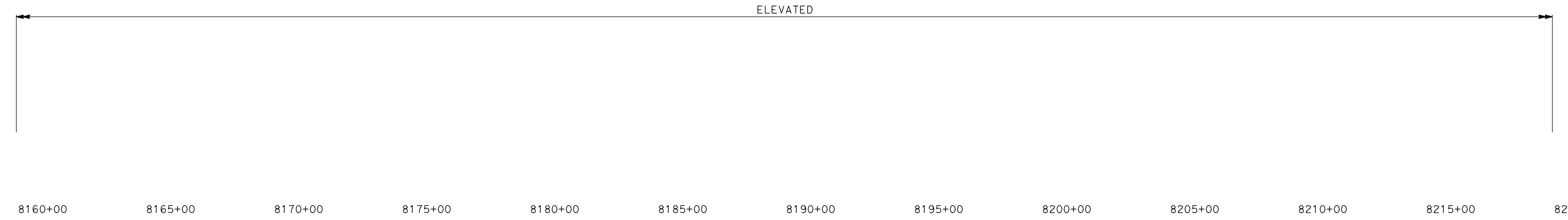
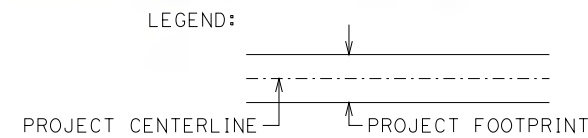
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-36    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM

CH2MHILL



CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**

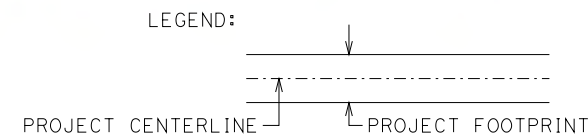
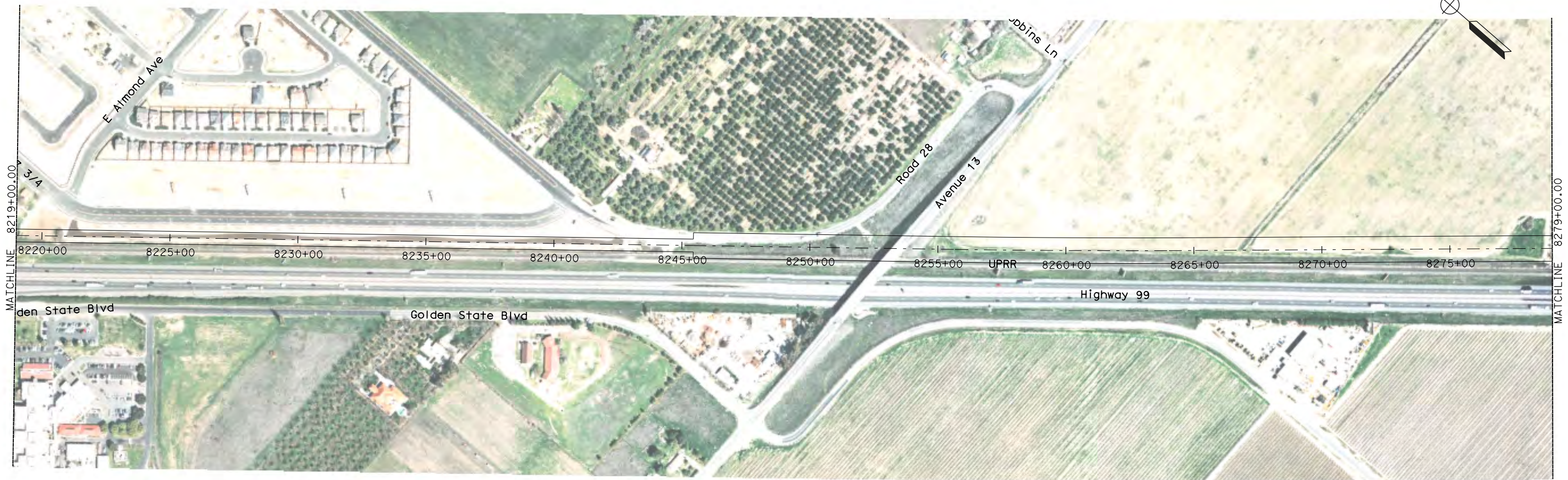
Without ever leaving the ground.

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-37    |





8220+00      8225+00      8230+00      8235+00      8240+00      8245+00      8250+00      8255+00      8260+00      8265+00      8270+00      8275+00      8280+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

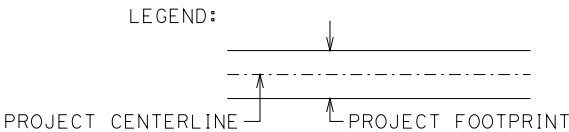
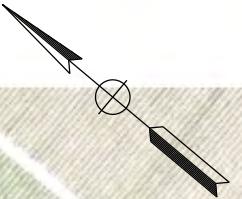
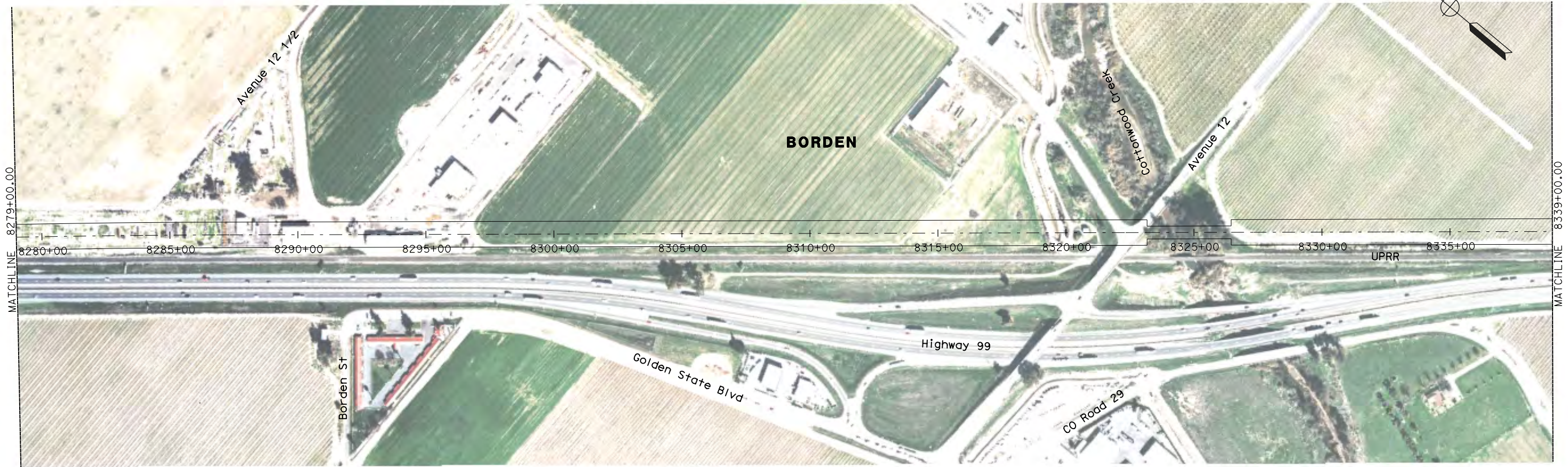
**AECOM CH2MHILL**



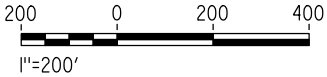
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-38    |





8280+00      8285+00      8290+00      8295+00      8300+00      8305+00      8310+00      8315+00      8320+00      8325+00      8330+00      8335+00      8340+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

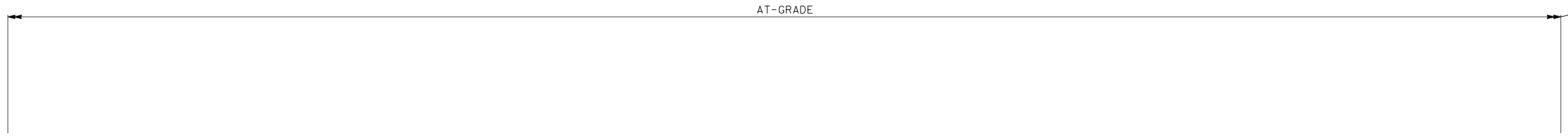
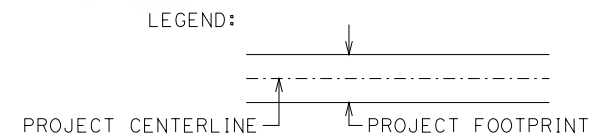
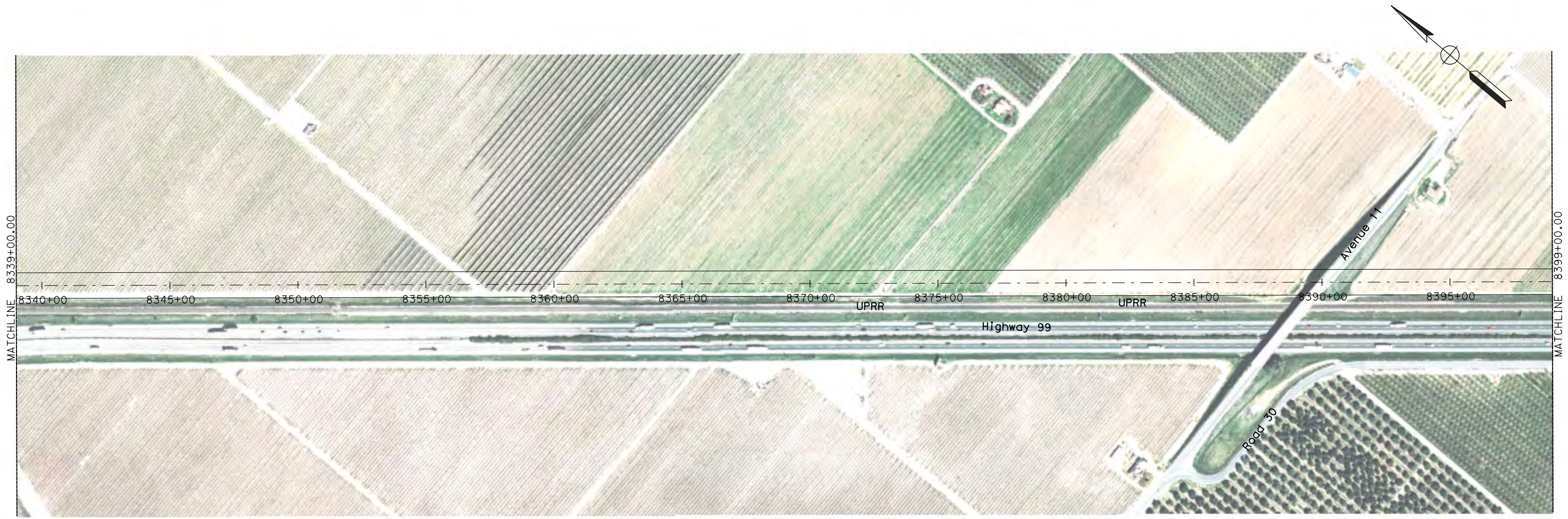


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-39    |





8340+00      8345+00      8350+00      8355+00      8360+00      8365+00      8370+00      8375+00      8380+00      8385+00      8390+00      8395+00      8400+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

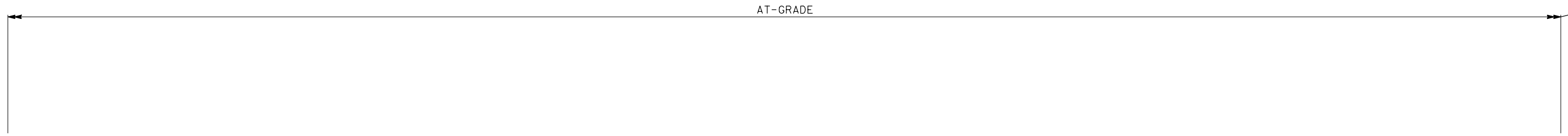
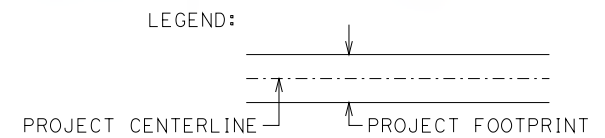
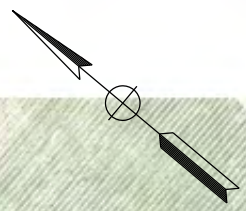


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-40    |





8400+00      8405+00      8410+00      8415+00      8420+00      8425+00      8430+00      8435+00      8440+00      8445+00      8450+00      8455+00      8460+00



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| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

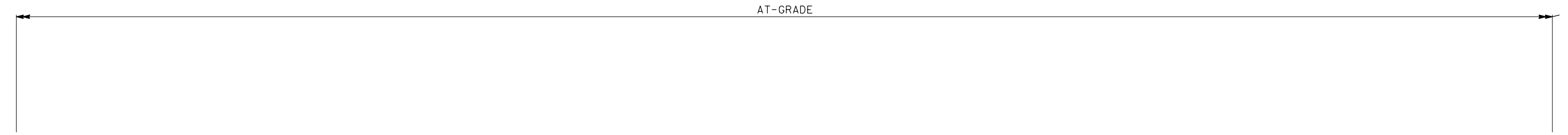
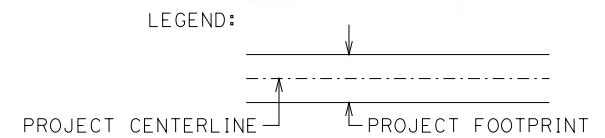
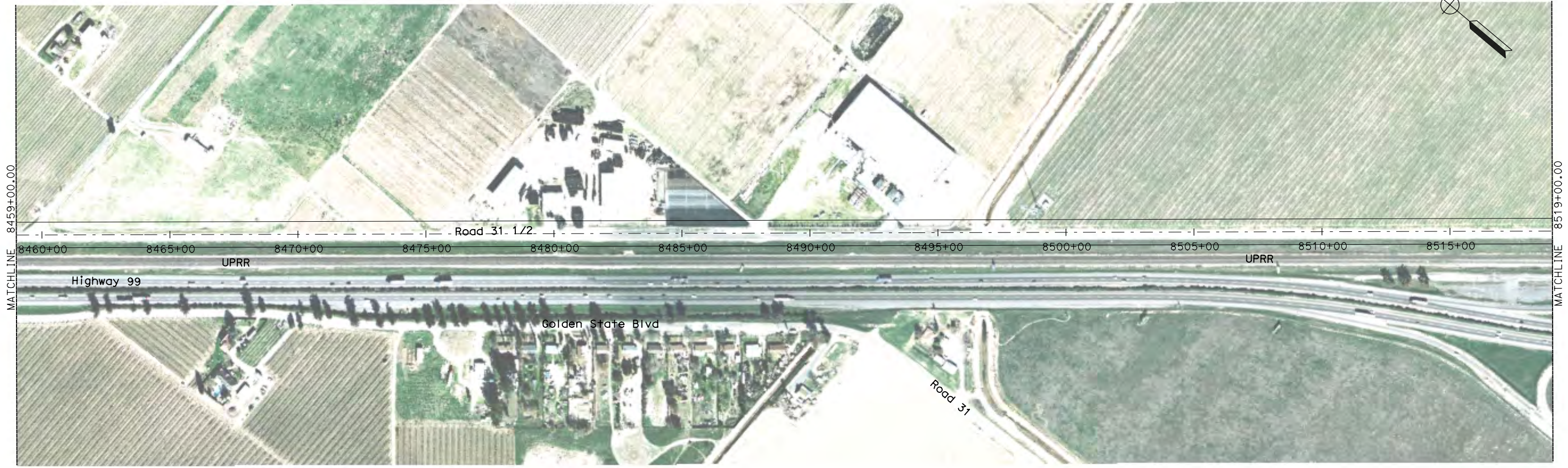
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-41    |





8460+00      8465+00      8470+00      8475+00      8480+00      8485+00      8490+00      8495+00      8500+00      8505+00      8510+00      8515+00      8520+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

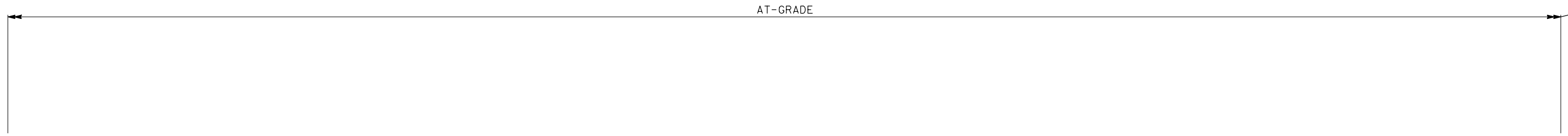
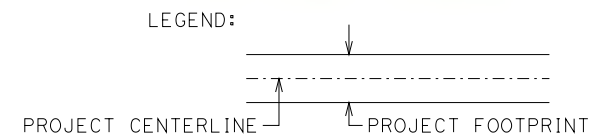
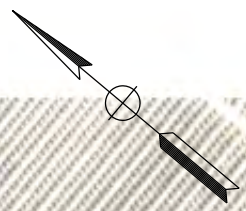
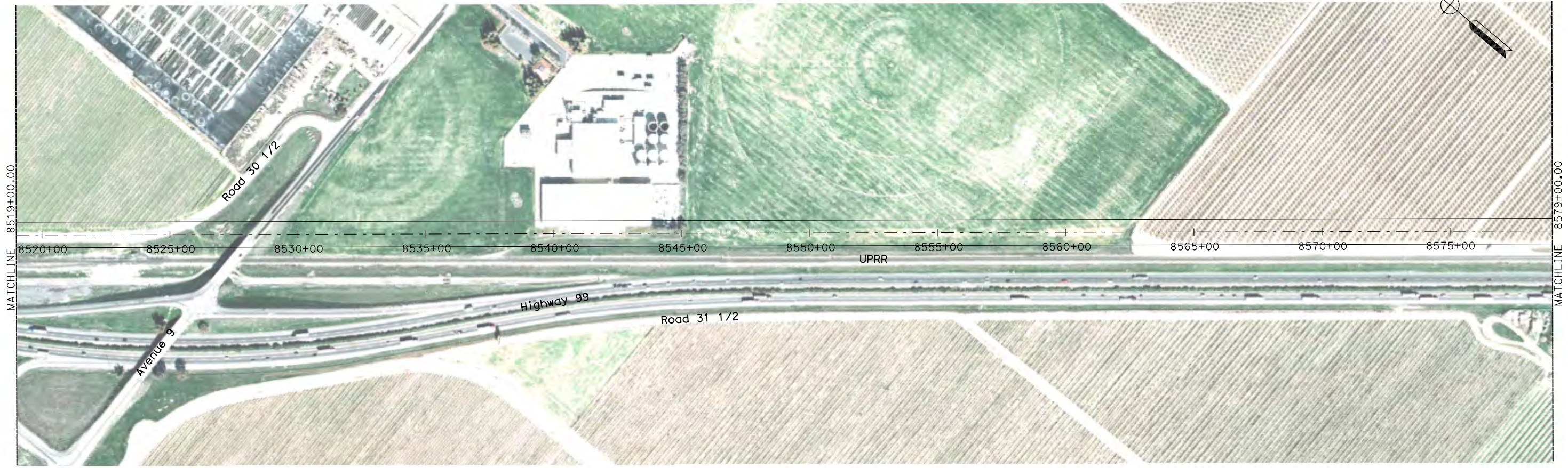
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-42    |





8520+00      8525+00      8530+00      8535+00      8540+00      8545+00      8550+00      8555+00      8560+00      8565+00      8570+00      8575+00      8580+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

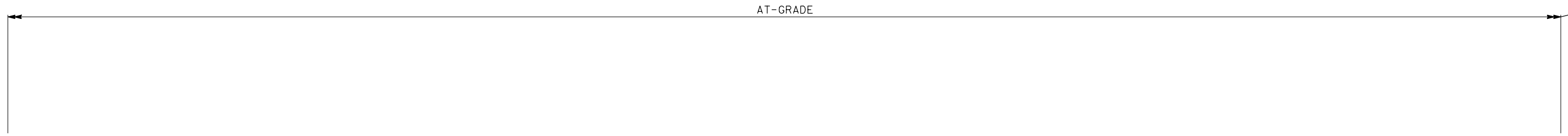
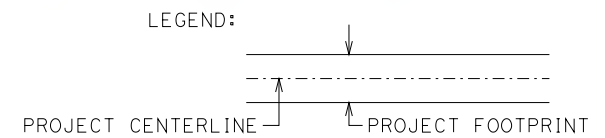
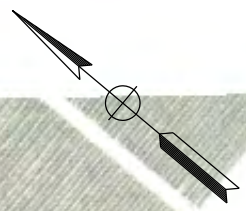


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-43    |





8580+00      8585+00      8590+00      8595+00      8600+00      8605+00      8610+00      8615+00      8620+00      8625+00      8630+00      8635+00      8640+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

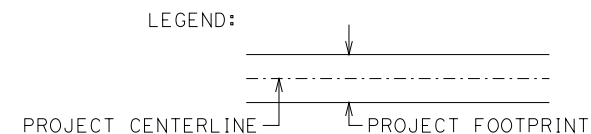
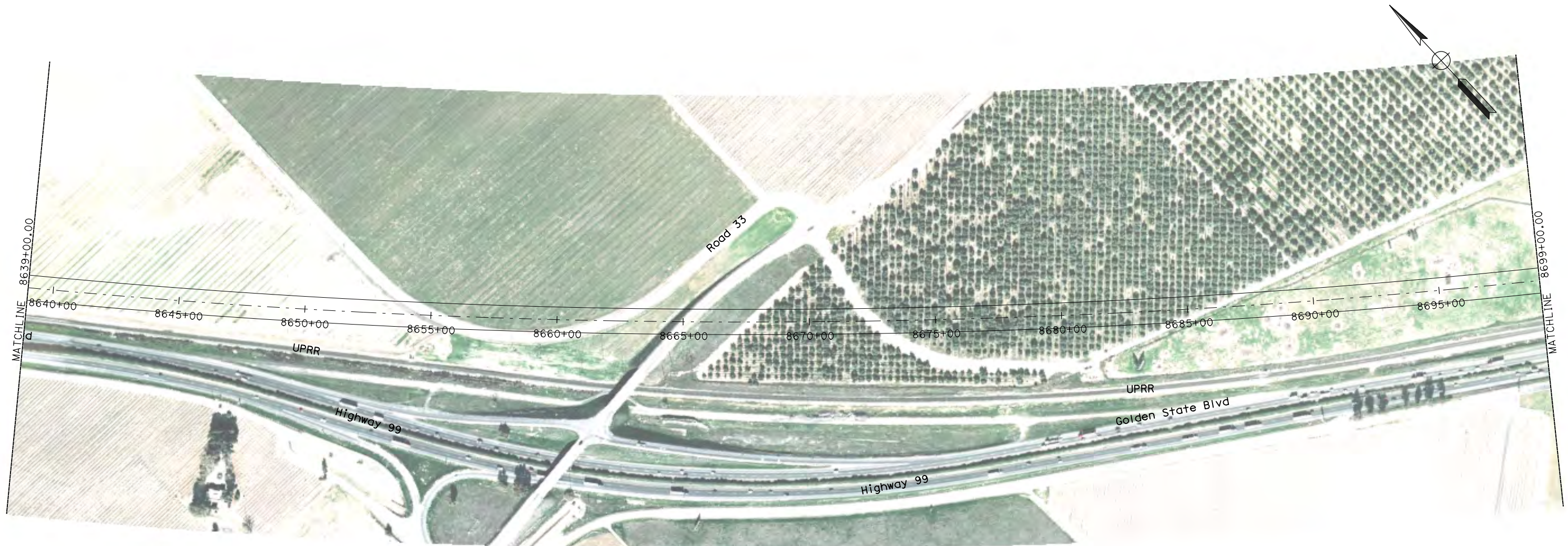


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

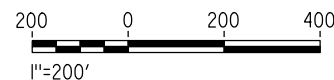
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-44    |





AT-GRADE

8640+00      8645+00      8650+00      8655+00      8660+00      8665+00      8670+00      8675+00      8680+00      8685+00      8690+00      8695+00      8700+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

**AECOM CH2MHILL**

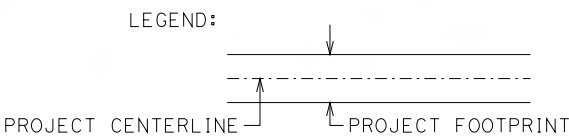
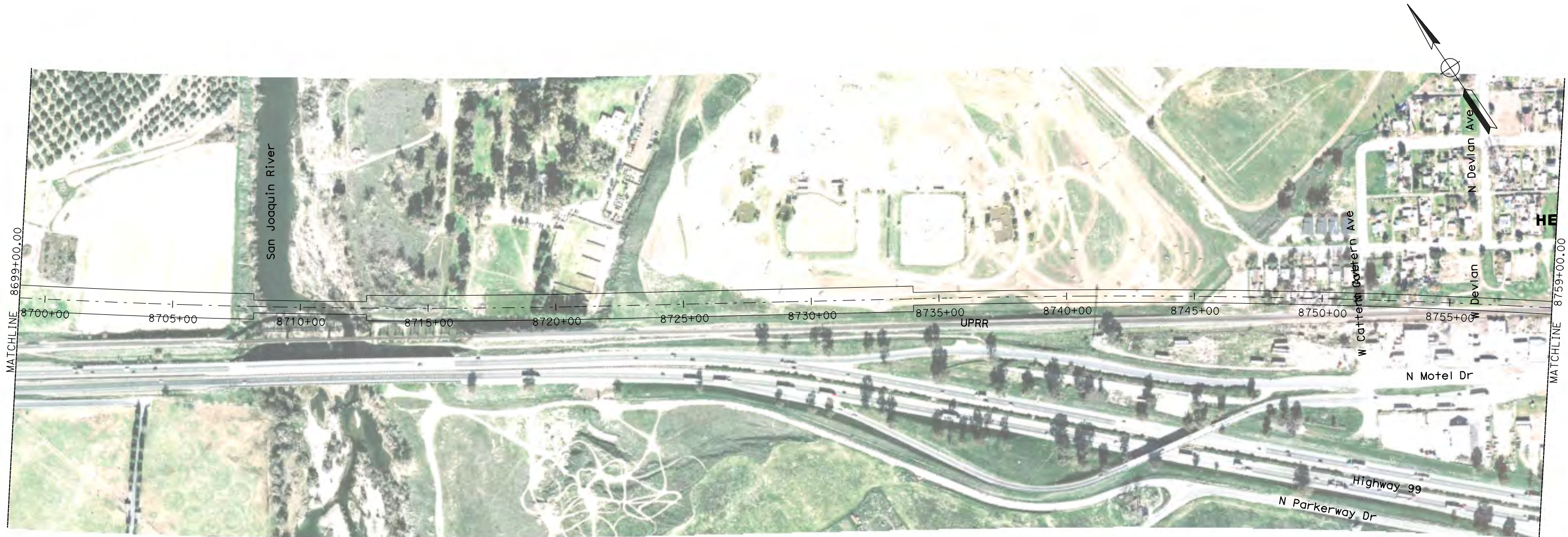


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
 MERCED TO FRESNO SECTION  
 ALTERNATIVE A2

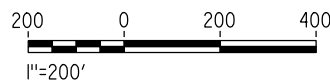
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-45    |





8700+00      8705+00      8710+00      8715+00      8720+00      8725+00      8730+00      8735+00      8740+00      8745+00      8750+00      8755+00      8760+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

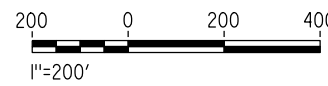
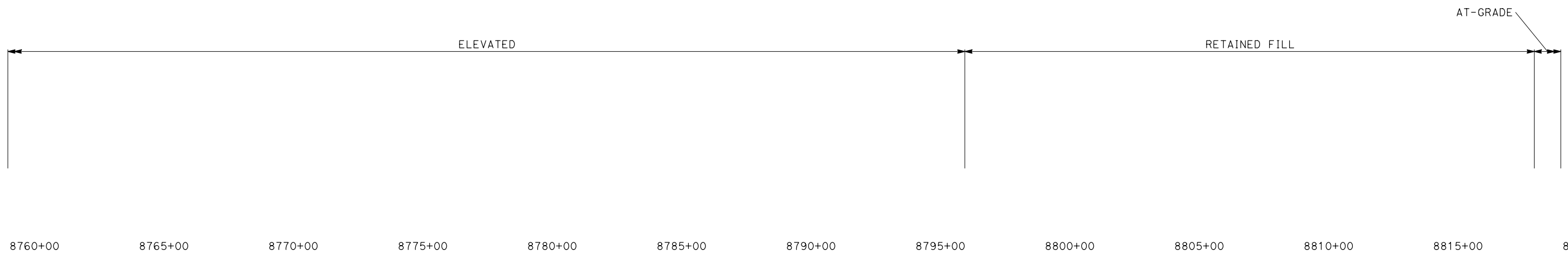
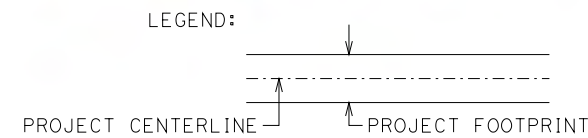


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-46    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

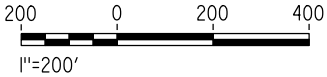
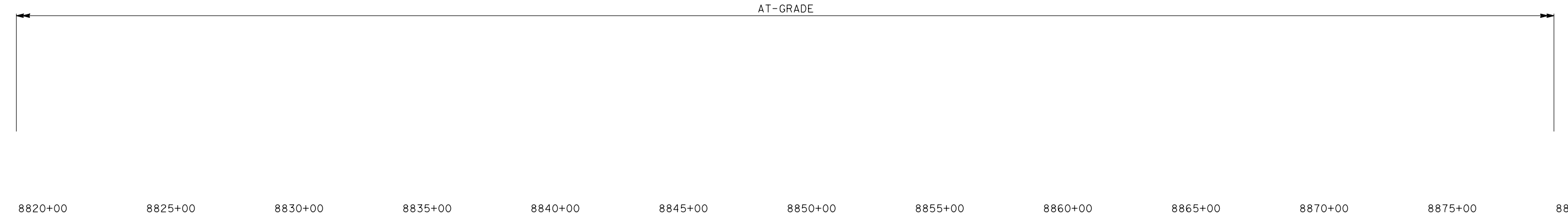
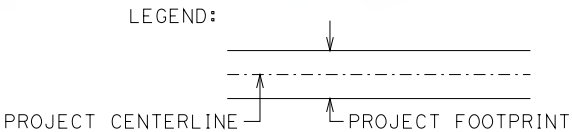
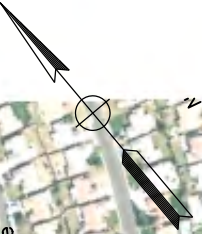
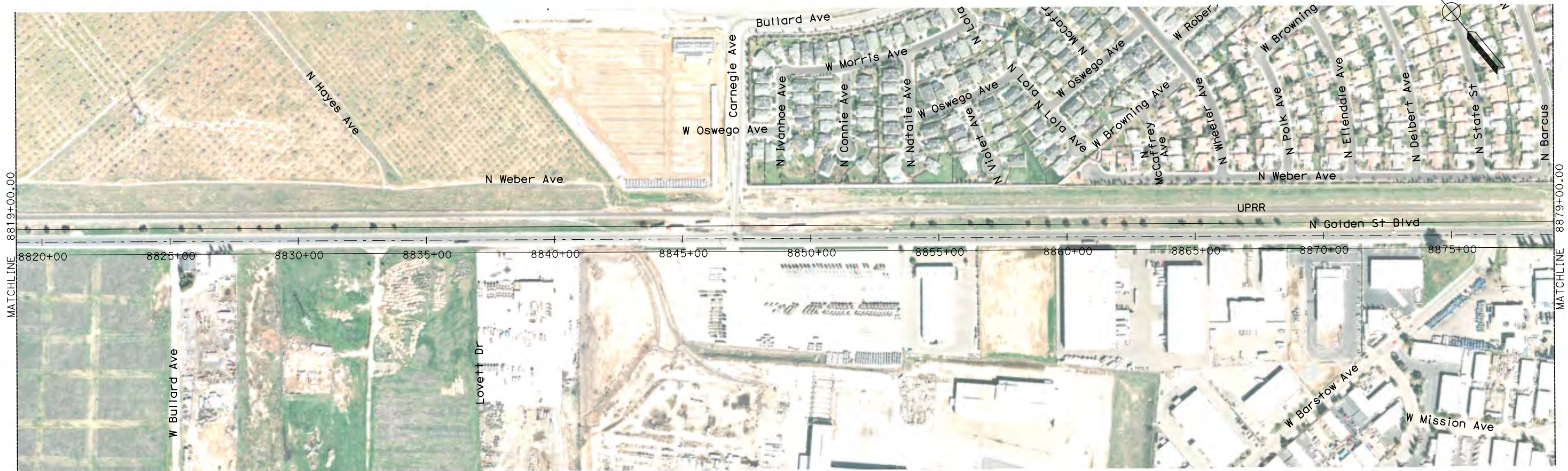
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-47      |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

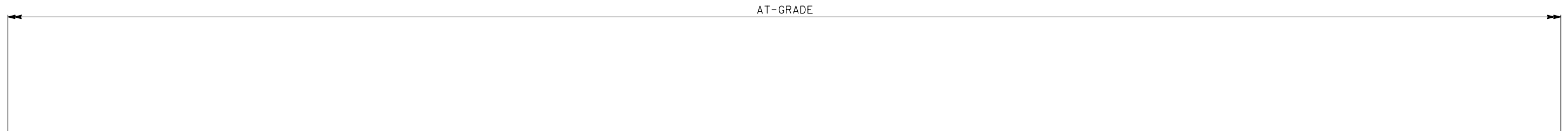
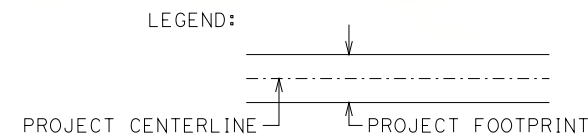


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-48    |





8880+00      8885+00      8890+00      8895+00      8900+00      8905+00      8910+00      8915+00      8920+00      8925+00      8930+00      8935+00      8940+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

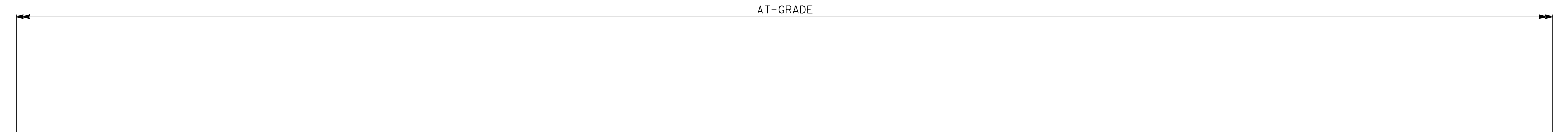
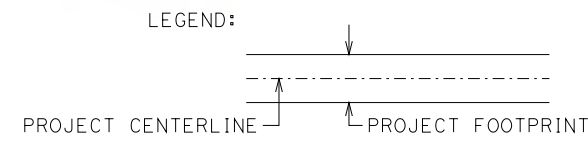
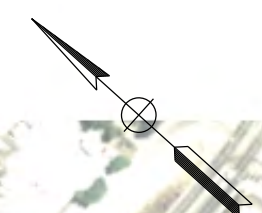
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A2-49      |

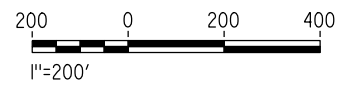
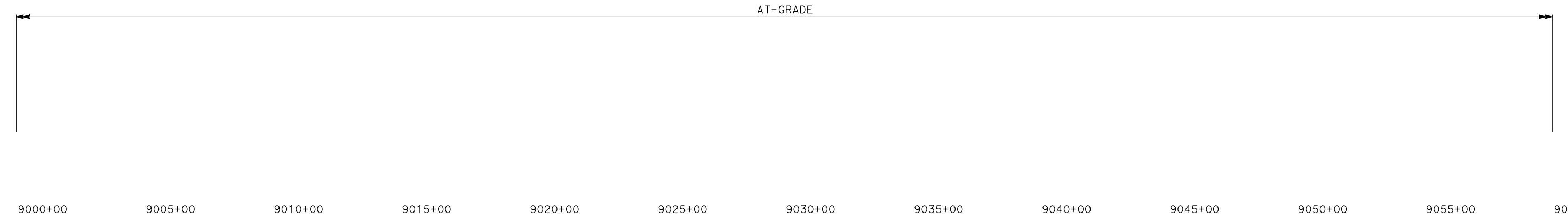
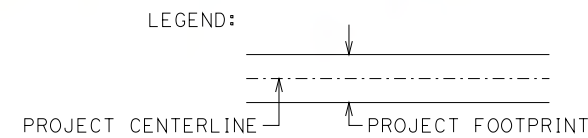




8940+00      8945+00      8950+00      8955+00      8960+00      8965+00      8970+00      8975+00      8980+00      8985+00      8990+00      8995+00      9000+00

|  |             |                       |  |   |                         |
|--|-------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A2 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY  |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE   |                       |  |   | SHEET NO.<br>A2-50      |
|  | DATE        |                       |  |   |                         |
|  |             |                       |  | Preliminary 10/29/2009  |                         |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

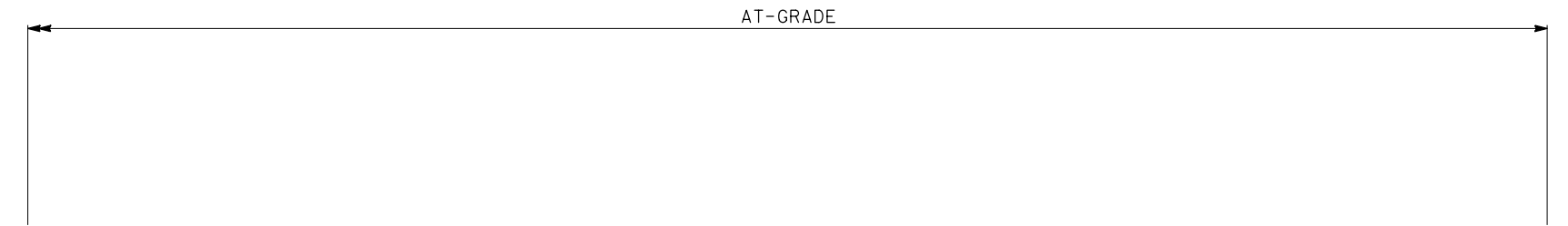
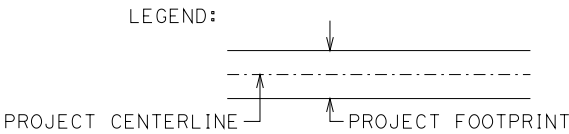
**AECOM CH2MHILL**



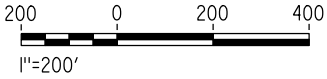
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-51    |





9060+00 9065+00 9070+00 9075+00 9080+00 9085+00 9090+00 9095+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

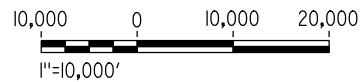
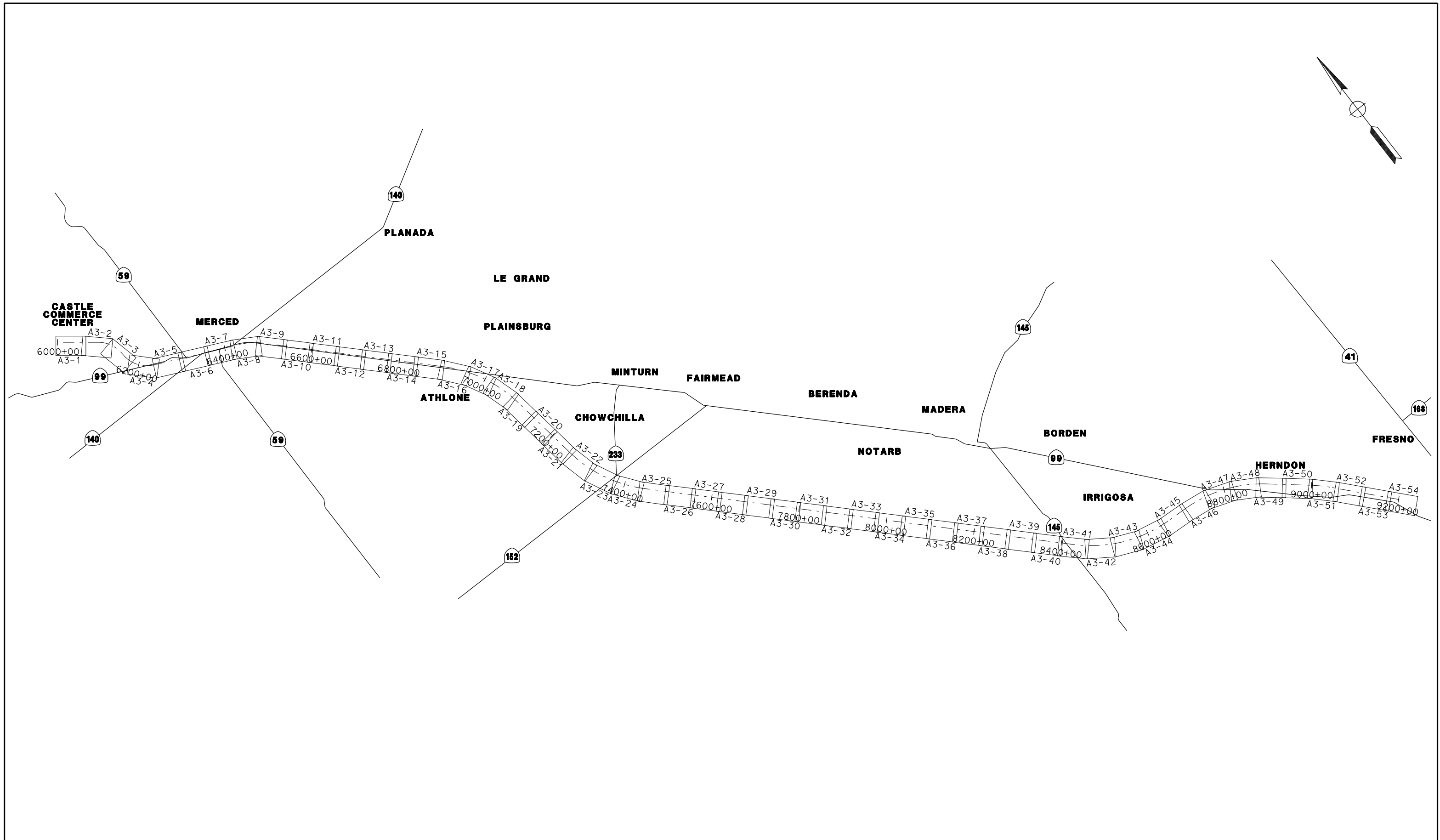


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A2

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A2-52    |





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|------------------------|
| DESIGNED BY<br>X.XXXXX |
| DRAWN BY<br>Y.YYYYY    |
| CHECKED BY<br>Z.ZZZZ   |
| IN CHARGE<br>A.AAAA    |
| DATE<br>##-##-##       |

AECOM **CH2MHILL**

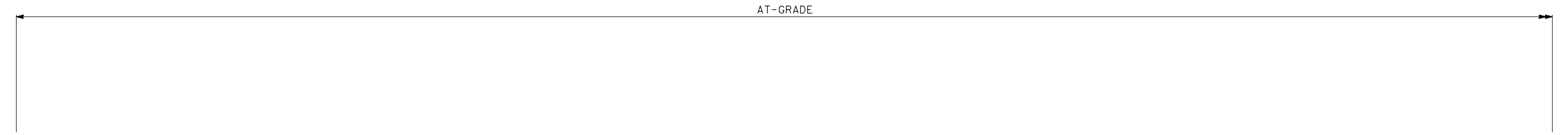
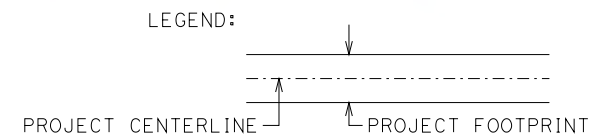
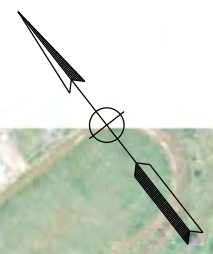
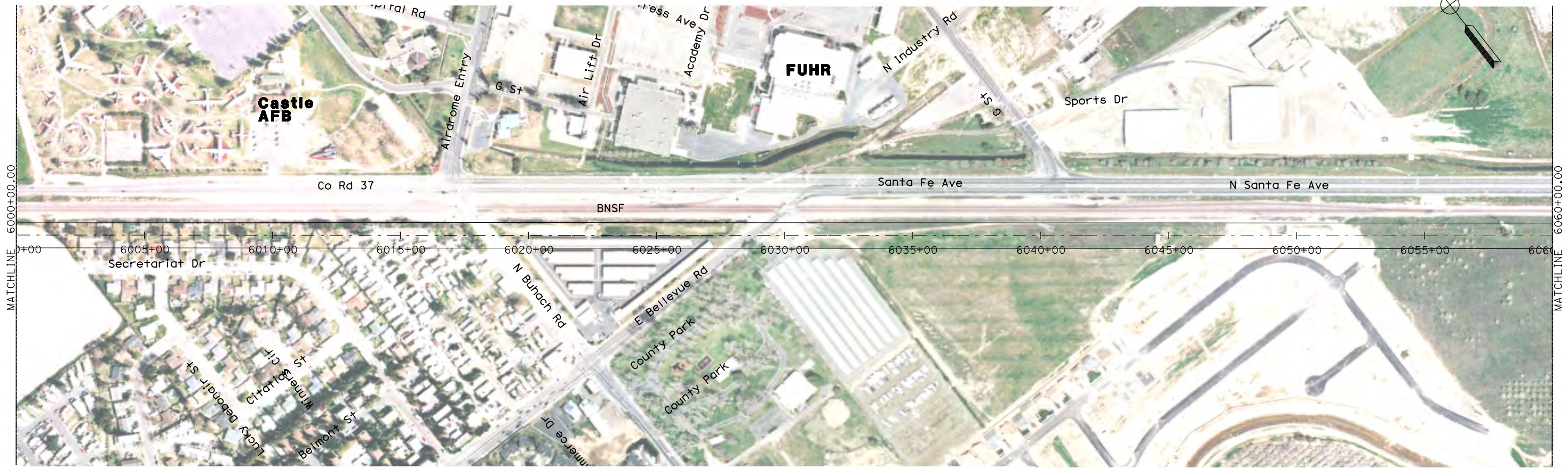


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1" = 10,000'   |
| SHEET NO.<br>A3-KEY MAP |

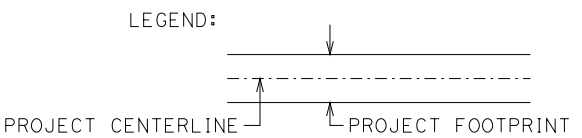




6000+00      6005+00      6010+00      6015+00      6020+00      6025+00      6030+00      6035+00      6040+00      6045+00      6050+00      6055+00      6060+00

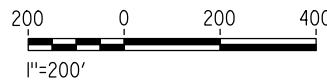
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|--|-------------|-----------------------|--|---|-------------------------|
|  | DESIGNED BY | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A3<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|  | DRAWN BY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|  | CHECKED BY  |                       |  |   | SCALE<br>1"= 200'       |
|  | IN CHARGE   |                       |  |   | SHEET NO.<br>A3-1       |
|  | DATE        |                       |  |   |                         |





AT-GRADE

6060+00      6065+00      6070+00      6075+00      6080+00      6085+00      6090+00      6095+00      6100+00      6105+00      6110+00      6115+00      6120+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

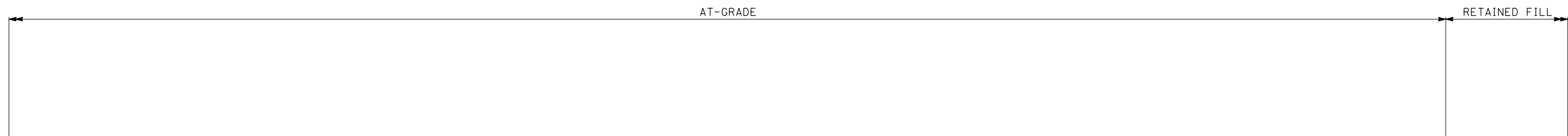
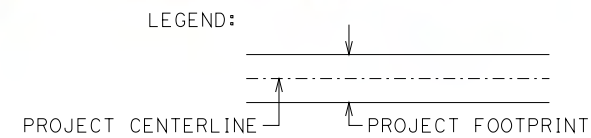
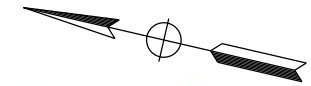


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

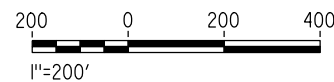
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-2     |





6120+00      6125+00      6130+00      6135+00      6140+00      6145+00      6150+00      6155+00      6160+00      6165+00      6170+00      6175+00      6180+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

AECOM CH2MHILL

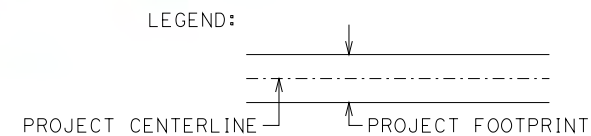
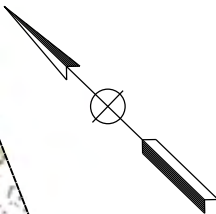


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

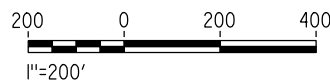
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-3     |





6180+00      6185+00      6190+00      6195+00      6200+00      6205+00      6210+00      6215+00      6220+00      6225+00      6230+00      6235+00      6240+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

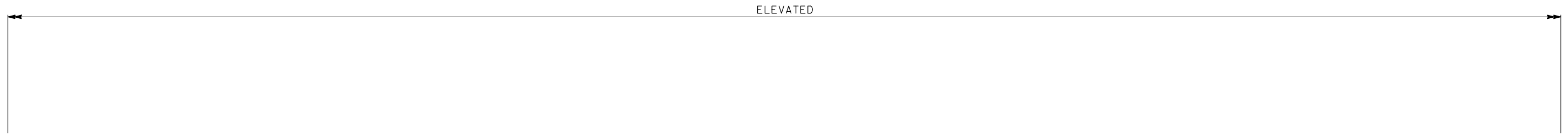
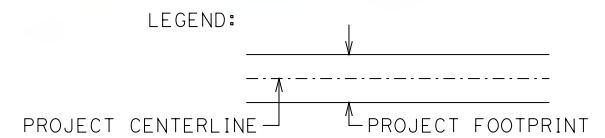


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-4     |





6240+00      6245+00      6250+00      6255+00      6260+00      6265+00      6270+00      6275+00      6280+00      6285+00      6290+00      6295+00      6300+00



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| IN CHARGE   |
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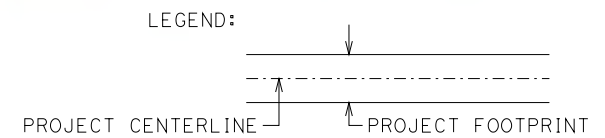
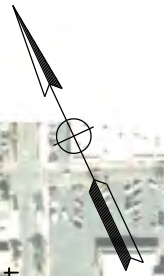
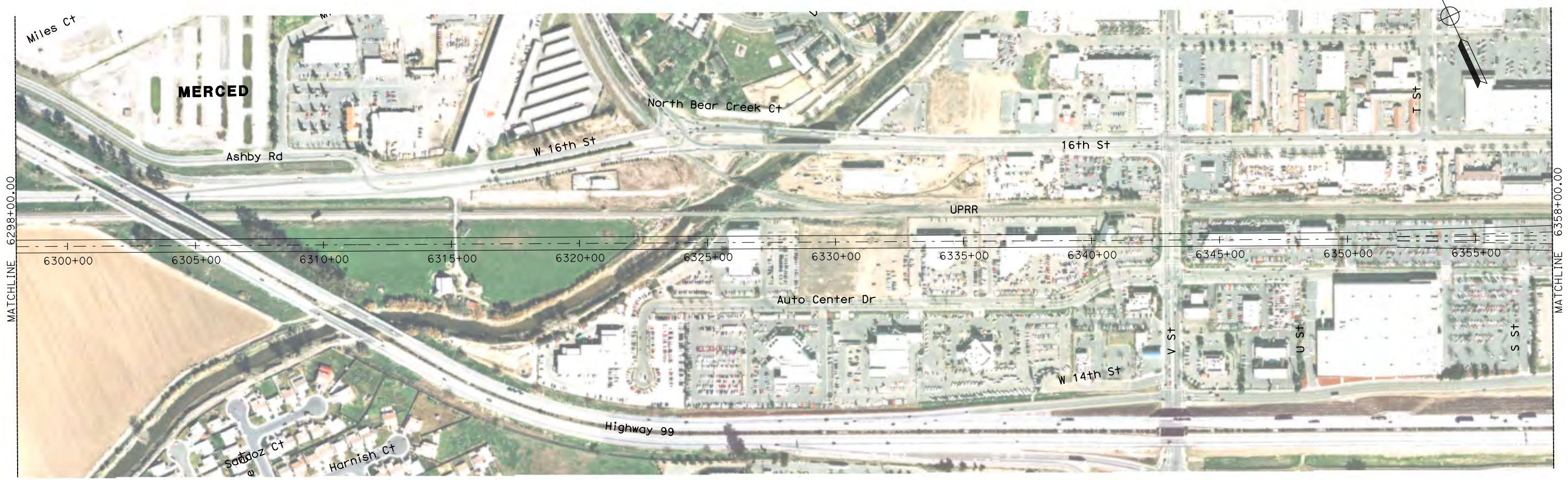
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-5     |





6300+00      6305+00      6310+00      6315+00      6320+00      6325+00      6330+00      6335+00      6340+00      6345+00      6350+00      6355+00      6360+00



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| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

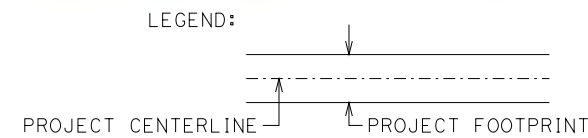
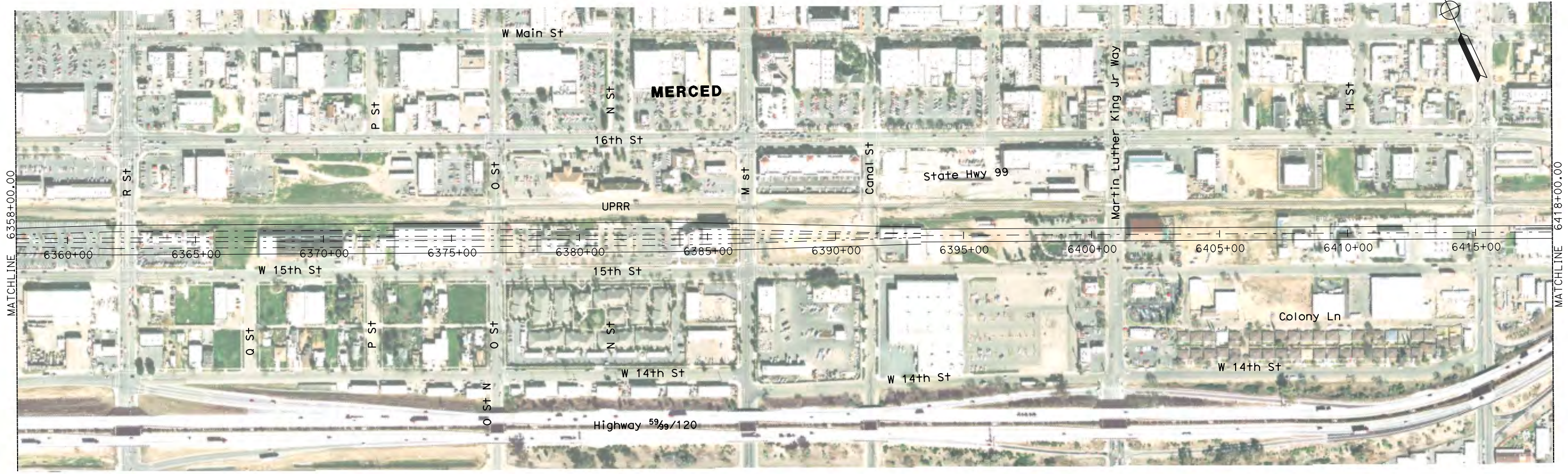


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-6     |





6360+00      6365+00      6370+00      6375+00      6380+00      6385+00      6390+00      6395+00      6400+00      6405+00      6410+00      6415+00      6420+00



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| IN CHARGE   |
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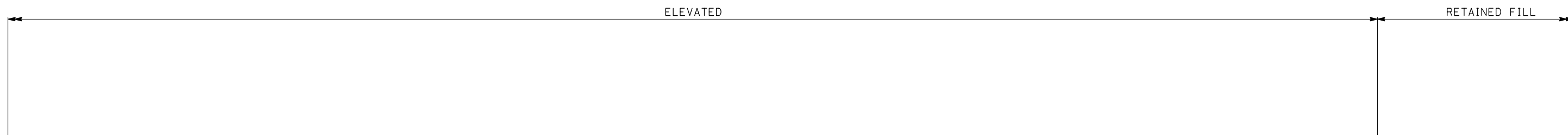
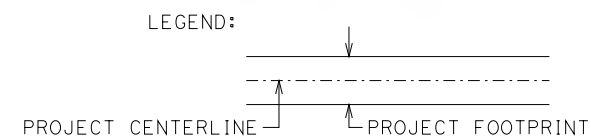
**AECOM CH2MHILL**

CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
Without ever leaving the ground.

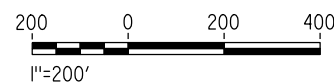
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

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|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A3-7       |





6420+00      6425+00      6430+00      6435+00      6440+00      6445+00      6450+00      6455+00      6460+00      6465+00      6470+00      6475+00      6480+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

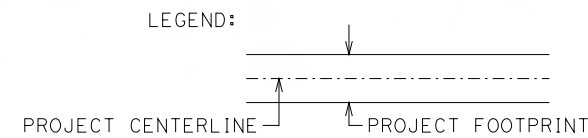


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-8     |





6480+00      6485+00      6490+00      6495+00      6500+00      6505+00      6510+00      6515+00      6520+00      6525+00      6530+00      6535+00      6540+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

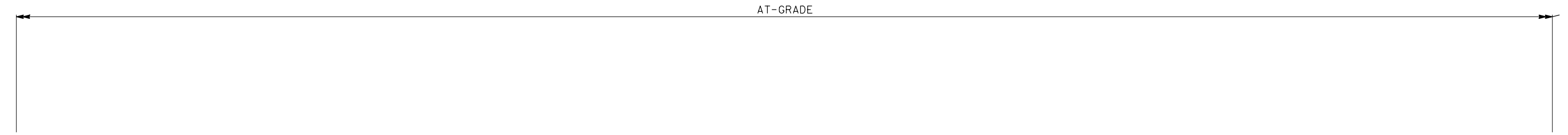
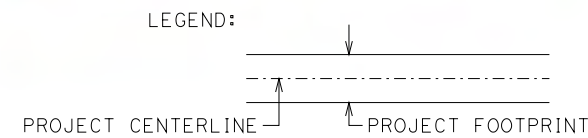
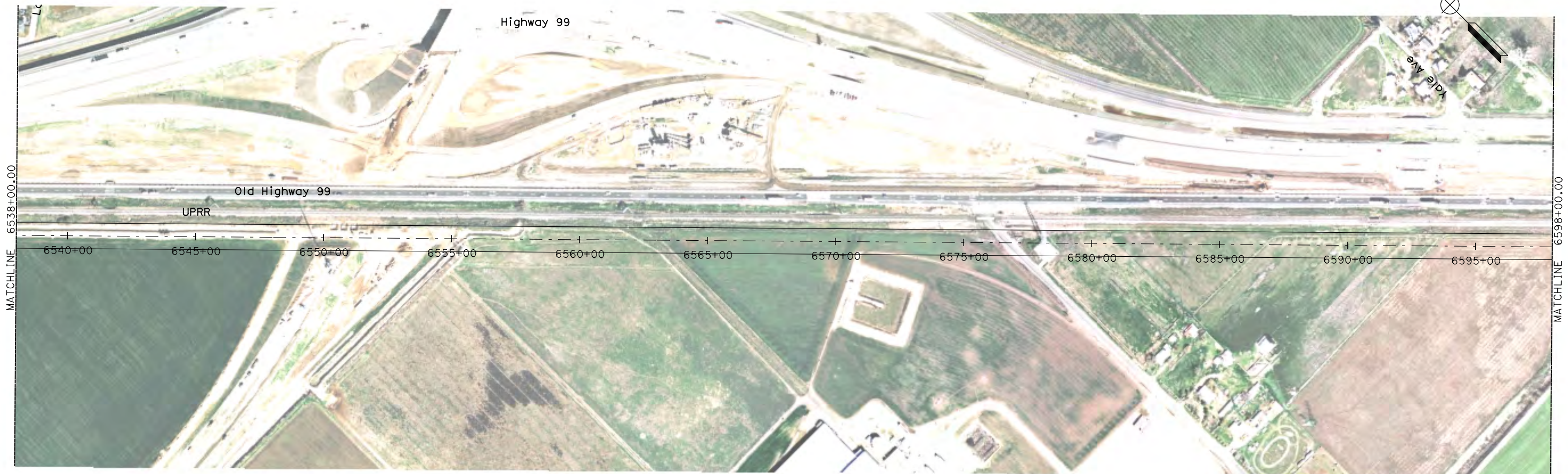
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-9     |





6540+00 6545+00 6550+00 6555+00 6560+00 6565+00 6570+00 6575+00 6580+00 6585+00 6590+00 6595+00 6600+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

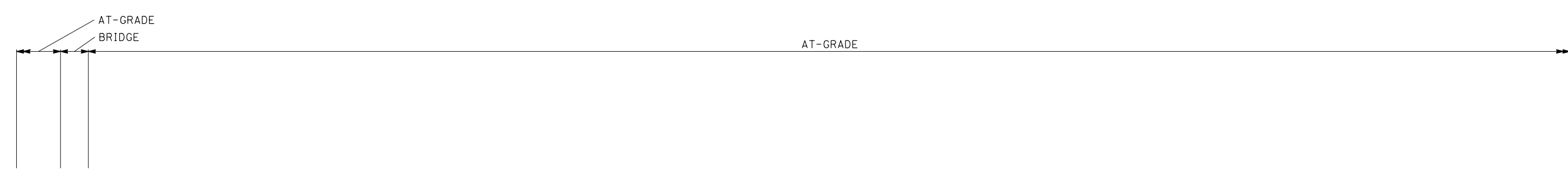
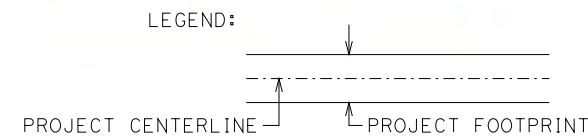
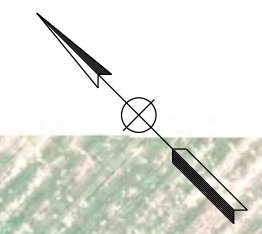
AECOM **CH2MHILL**



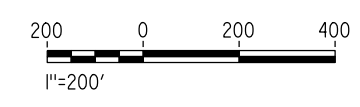
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-10    |





6600+00      6605+00      6610+00      6615+00      6620+00      6625+00      6630+00      6635+00      6640+00      6645+00      6650+00      6655+00      6660+00



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| IN CHARGE   |
| DATE        |

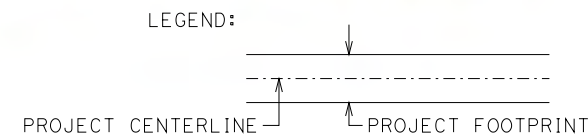
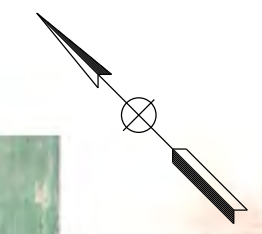
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-11    |





6660+00      6665+00      6670+00      6675+00      6680+00      6685+00      6690+00      6695+00      6700+00      6705+00      6710+00      6715+00      6720+00



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| IN CHARGE   |
| DATE        |

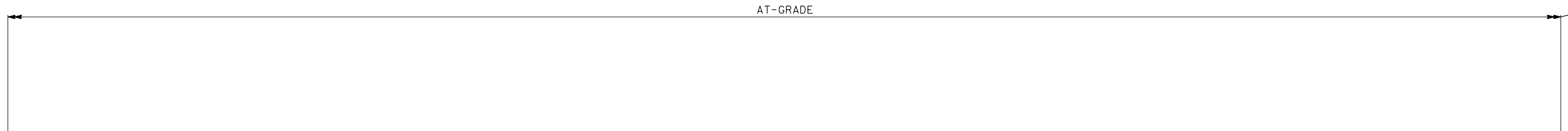
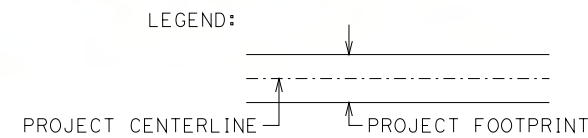
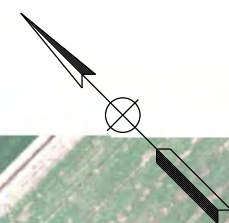
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|                         |
|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A3-12      |





6720+00      6725+00      6730+00      6735+00      6740+00      6745+00      6750+00      6755+00      6760+00      6765+00      6770+00      6775+00      6780+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

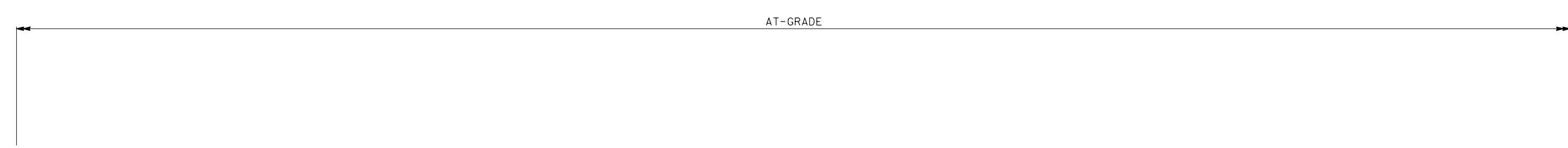
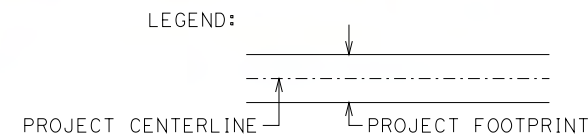
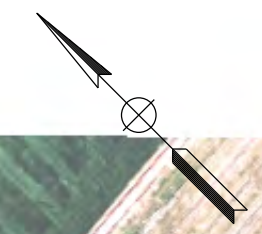
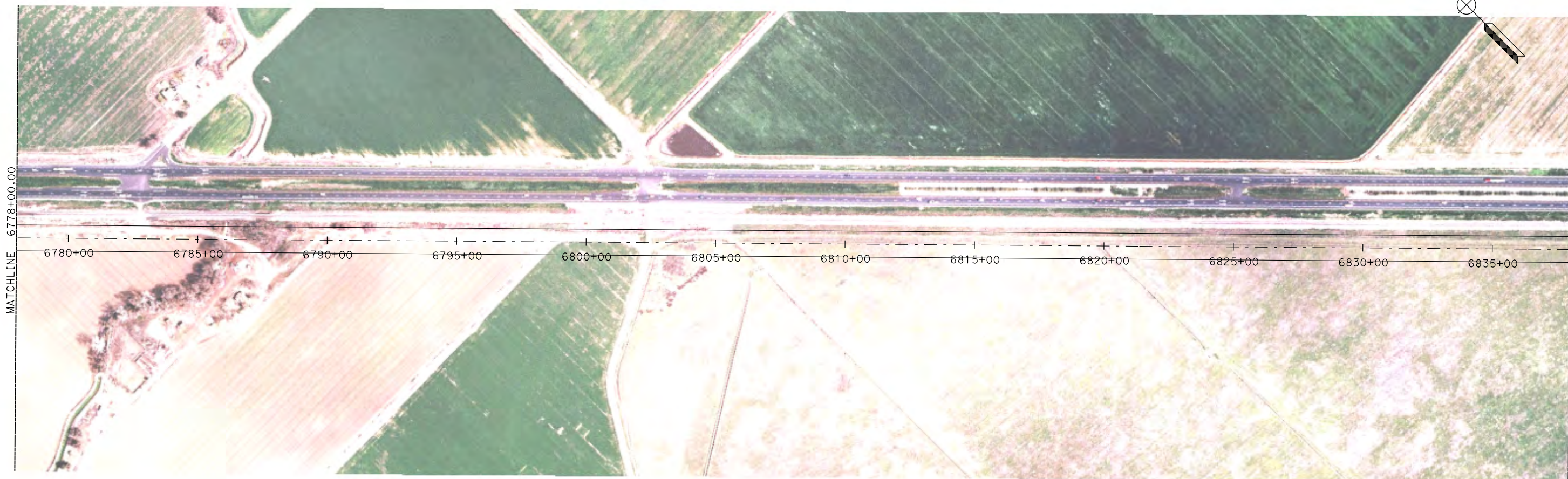
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-13    |





6780+00      6785+00      6790+00      6795+00      6800+00      6805+00      6810+00      6815+00      6820+00      6825+00      6830+00      6835+00      6840+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

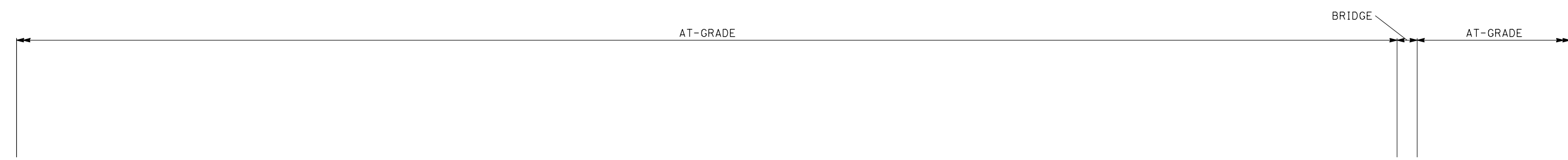
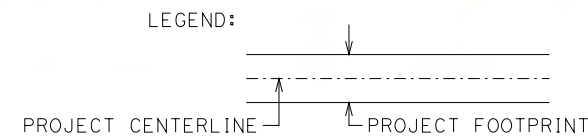
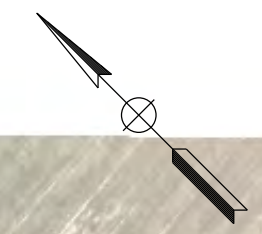
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-14    |





6840+00 6845+00 6850+00 6855+00 6860+00 6865+00 6870+00 6875+00 6880+00 6885+00 6890+00 6895+00 6900+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

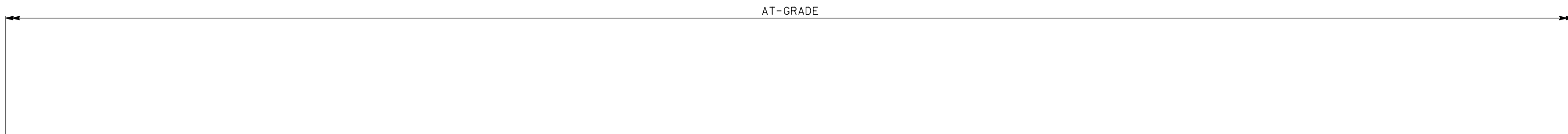
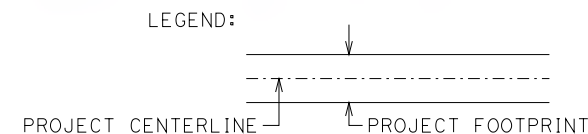
AECOM **CH2MHILL**



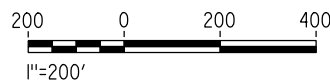
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-15    |





6900+00      6905+00      6910+00      6915+00      6920+00      6925+00      6930+00      6935+00      6940+00      6945+00      6950+00      6955+00      6960+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

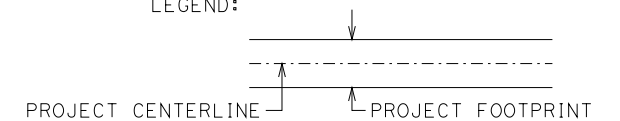
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-16    |



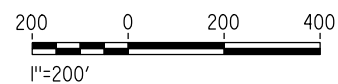


LEGEND:



AT-GRADE

6960+00      6965+00      6970+00      6975+00      6980+00      6985+00      6990+00      6995+00      7000+00      7005+00      7010+00      7015+00      7020+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

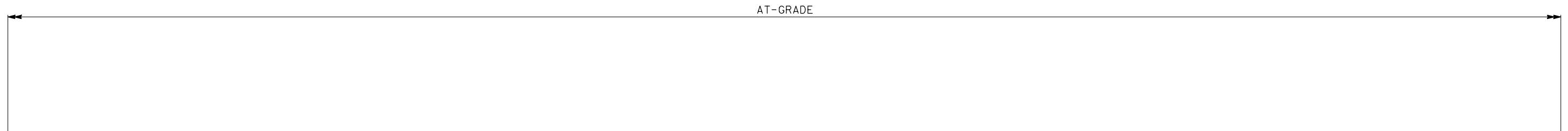
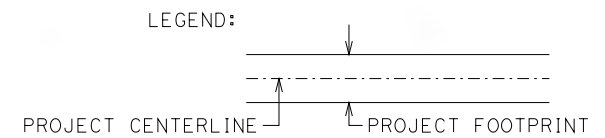
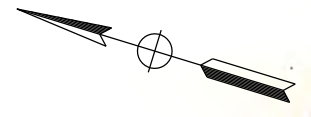


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-17    |





7020+00      7025+00      7030+00      7035+00      7040+00      7045+00      7050+00      7055+00      7060+00      7065+00      7070+00      7075+00      7080+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

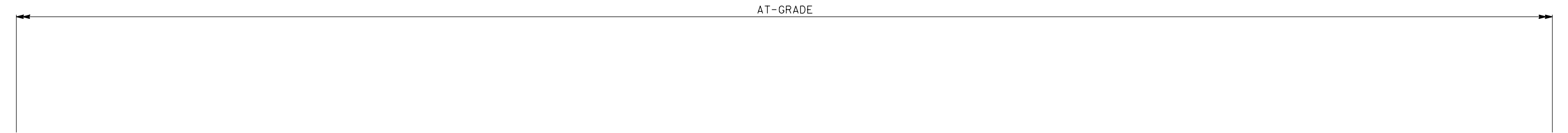
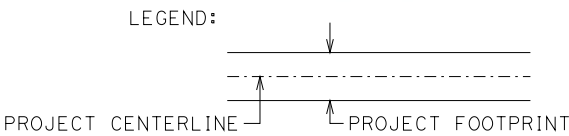
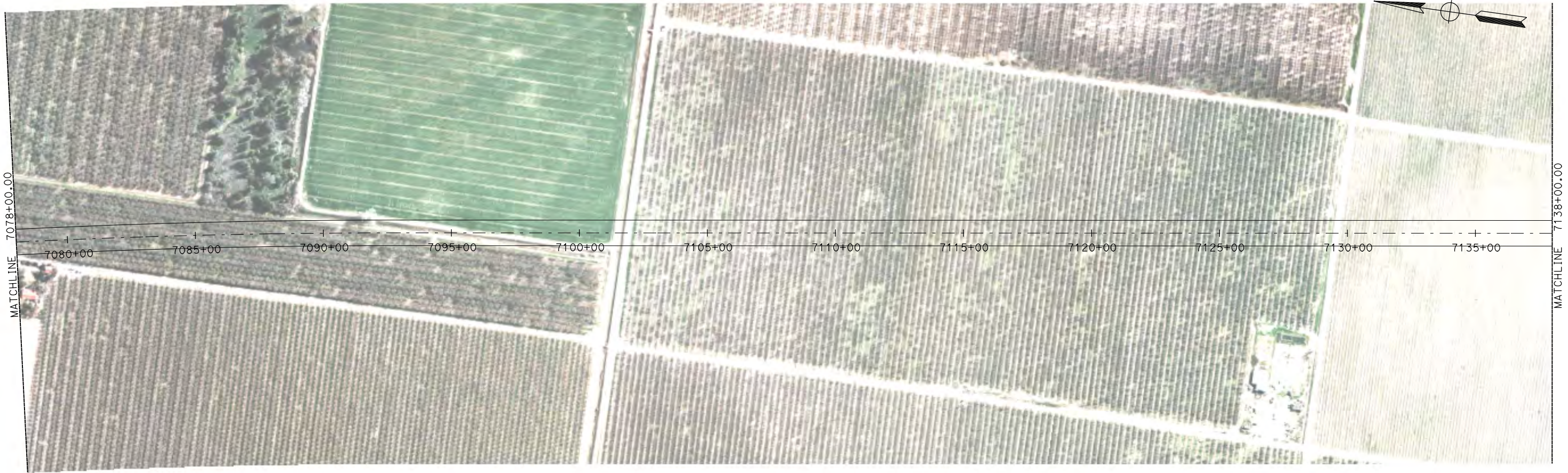
AECOM **CH2MHILL**



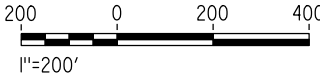
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-18    |





7080+00      7085+00      7090+00      7095+00      7100+00      7105+00      7110+00      7115+00      7120+00      7125+00      7130+00      7135+00      7140+00



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| DESIGNED BY |
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| IN CHARGE   |
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AECOM **CH2MHILL**

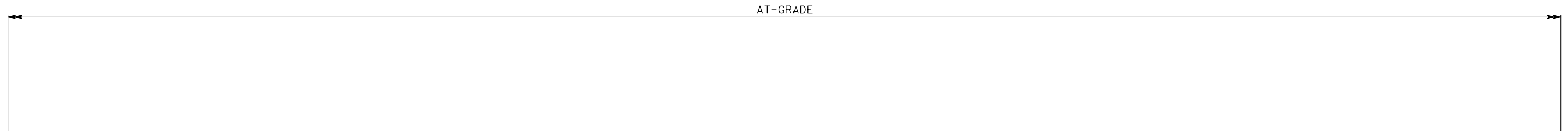
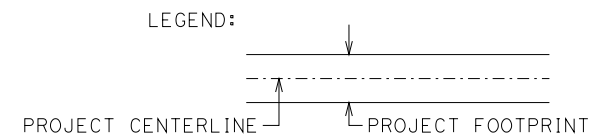


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-19    |





7140+00 7145+00 7150+00 7155+00 7160+00 7165+00 7170+00 7175+00 7180+00 7185+00 7190+00 7195+00 7200+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

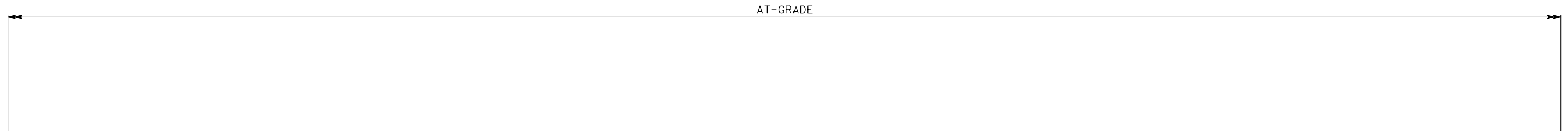
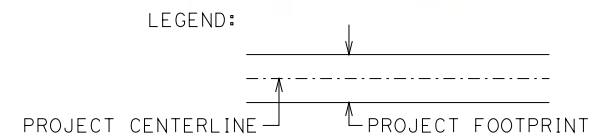
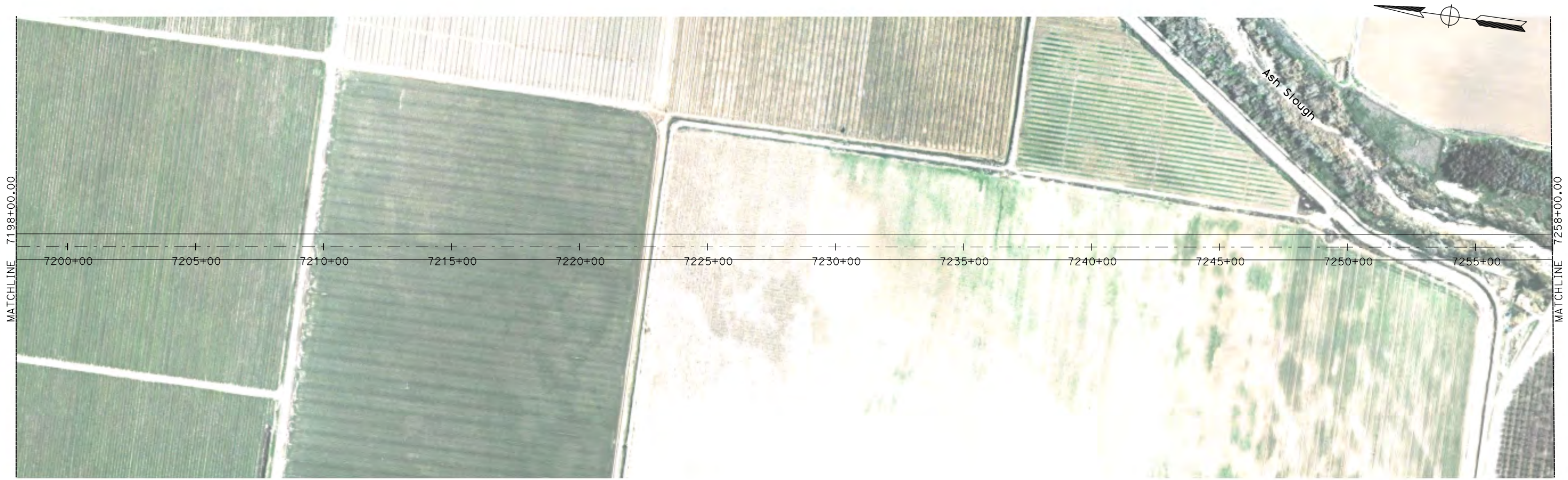
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-20    |





7200+00 7205+00 7210+00 7215+00 7220+00 7225+00 7230+00 7235+00 7240+00 7245+00 7250+00 7255+00 7260+00



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| DESIGNED BY |
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| IN CHARGE   |
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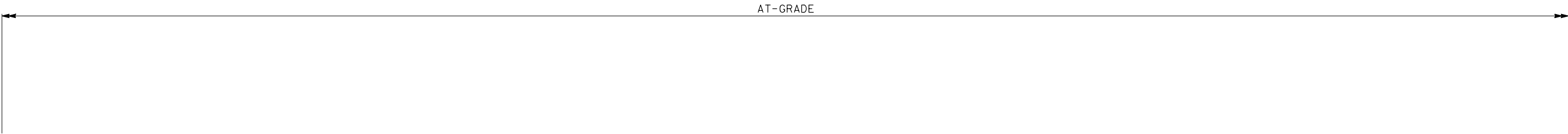
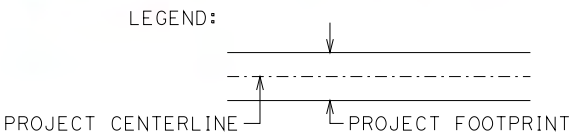
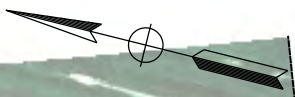
AECOM **CH2MHILL**



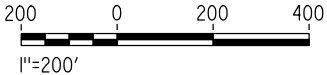
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-21    |





7260+00      7265+00      7270+00      7275+00      7280+00      7285+00      7290+00      7295+00      7300+00      7305+00      7310+00      7315+00      7320+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

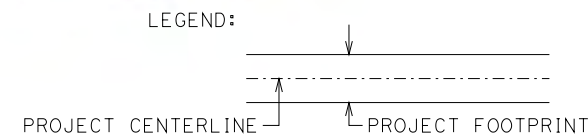
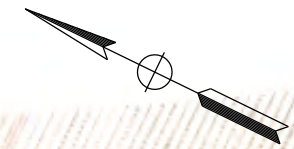


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

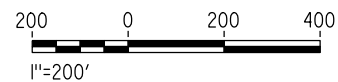
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-22    |





AT-GRADE

7320+00      7325+00      7330+00      7335+00      7340+00      7345+00      7350+00      7355+00      7360+00      7365+00      7370+00      7375+00      7380+00



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| DESIGNED BY |
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AECOM **CH2MHILL**

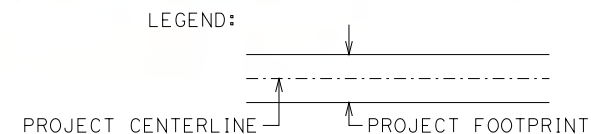


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

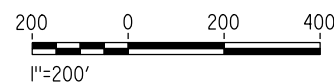
|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-23    |





AT-GRADE

7380+00      7385+00      7390+00      7395+00      7400+00      7405+00      7410+00      7415+00      7420+00      7425+00      7430+00      7435+00      7440+00



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| DESIGNED BY |
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| IN CHARGE   |
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AECOM **CH2MHILL**

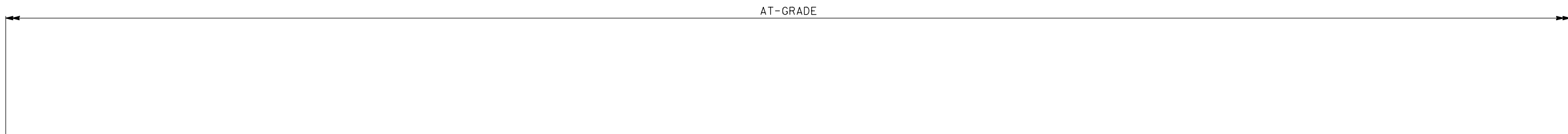
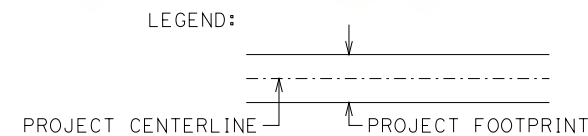
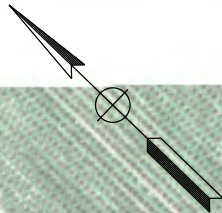


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

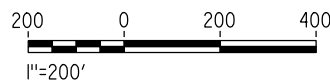
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-24    |





7440+00      7445+00      7450+00      7455+00      7460+00      7465+00      7470+00      7475+00      7480+00      7485+00      7490+00      7495+00      7500+00



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| DESIGNED BY |
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| IN CHARGE   |
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AECOM **CH2MHILL**

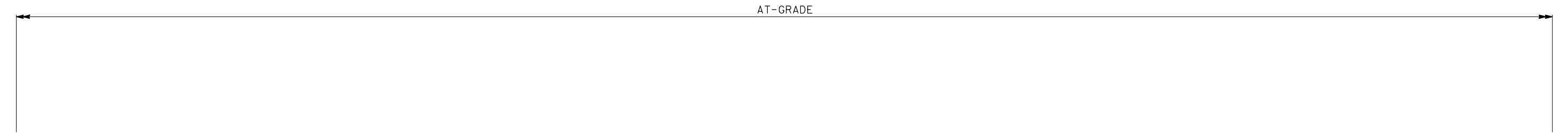
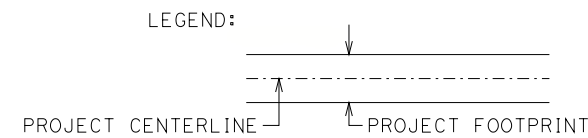


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-25    |





7500+00      7505+00      7510+00      7515+00      7520+00      7525+00      7530+00      7535+00      7540+00      7545+00      7550+00      7555+00      7560+00



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| IN CHARGE   |
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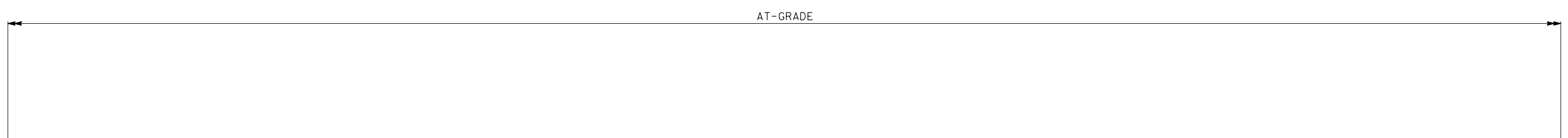
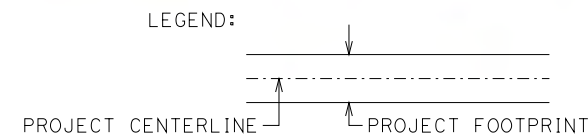
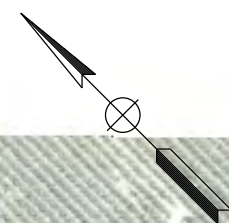
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-26    |





7560+00      7565+00      7570+00      7575+00      7580+00      7585+00      7590+00      7595+00      7600+00      7605+00      7610+00      7615+00      7620+00



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| DESIGNED BY |
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| IN CHARGE   |
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AECOM

CH2MHILL



CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**

Without ever leaving the ground.

**CALIFORNIA HIGH SPEED TRAIN PROJECT**

**SACRAMENTO TO FRESNO ALIGNMENT STUDY**

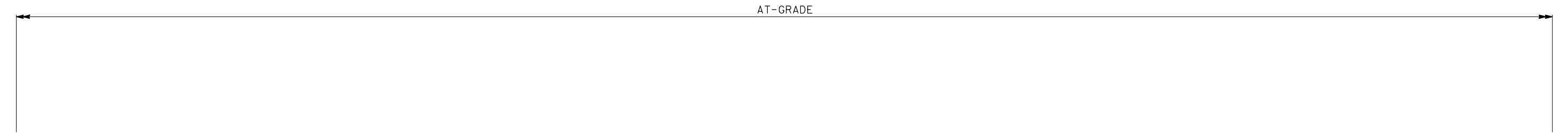
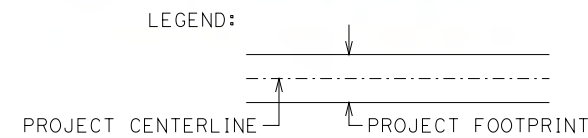
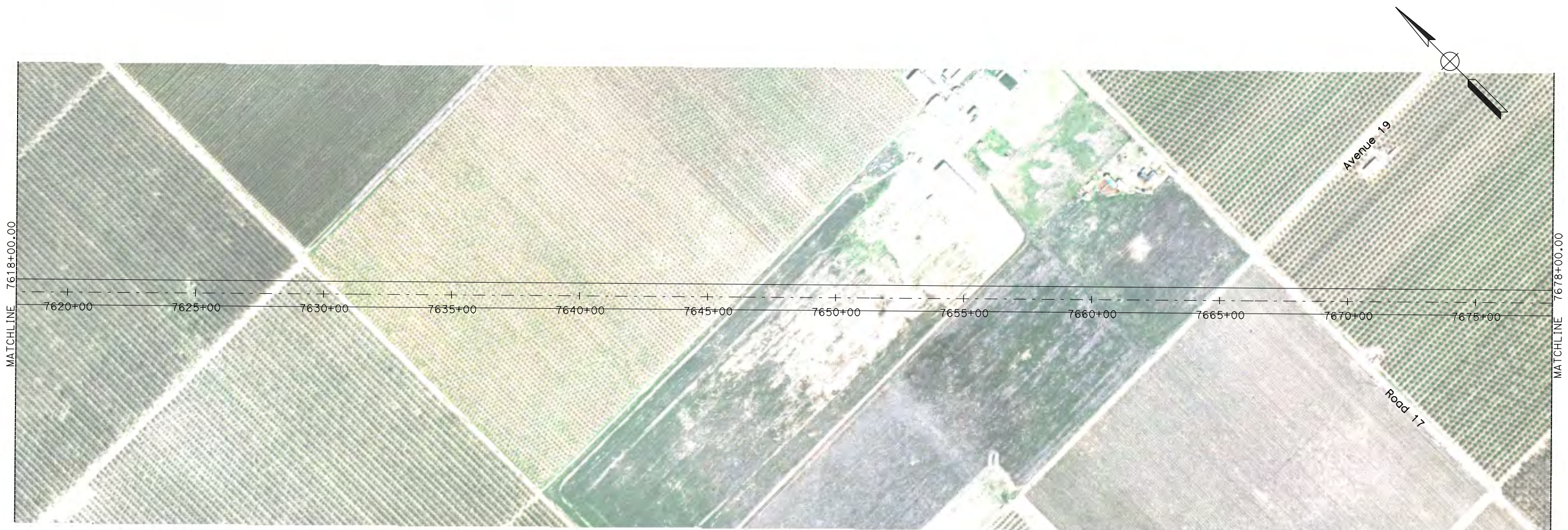
MERCED TO FRESNO SECTION

ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-27    |





7620+00      7625+00      7630+00      7635+00      7640+00      7645+00      7650+00      7655+00      7660+00      7665+00      7670+00      7675+00      7680+00



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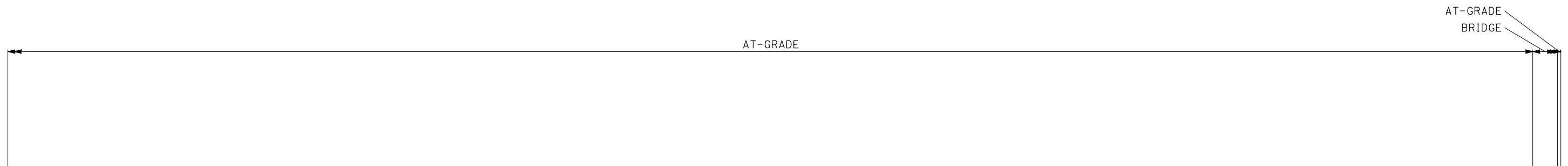
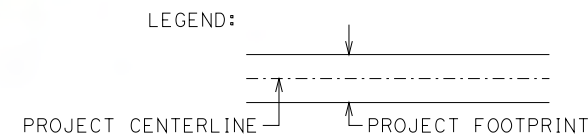
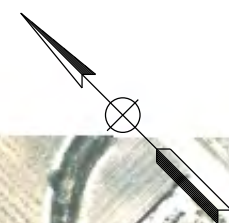
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-28    |





7680+00      7685+00      7690+00      7695+00      7700+00      7705+00      7710+00      7715+00      7720+00      7725+00      7730+00      7735+00      7740+00



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| DESIGNED BY |
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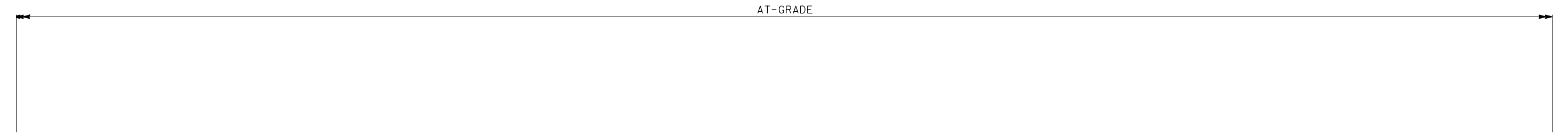
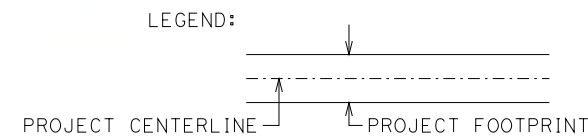
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-29    |





7740+00      7745+00      7750+00      7755+00      7760+00      7765+00      7770+00      7775+00      7780+00      7785+00      7790+00      7795+00      7800+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

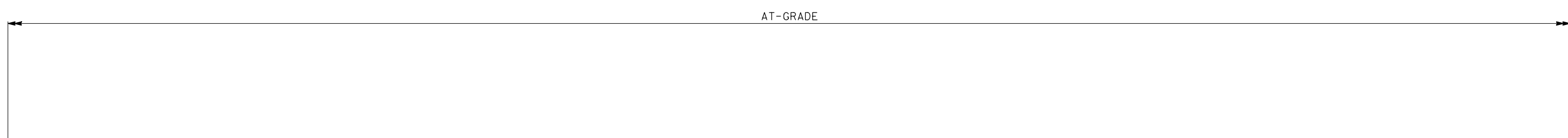
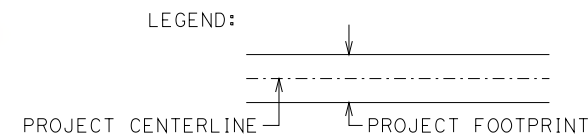
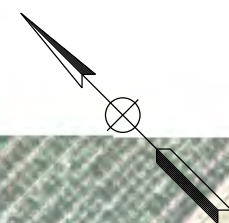
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | 30       |





7800+00      7805+00      7810+00      7815+00      7820+00      7825+00      7830+00      7835+00      7840+00      7845+00      7850+00      7855+00      7860+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

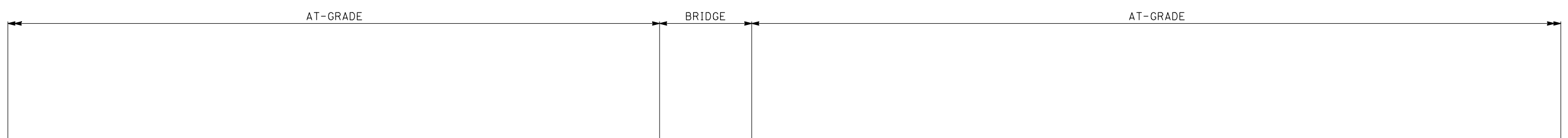
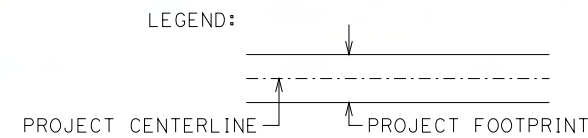
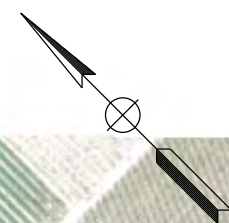
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-31    |





7860+00      7865+00      7870+00      7875+00      7880+00      7885+00      7890+00      7895+00      7900+00      7905+00      7910+00      7915+00      7920+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

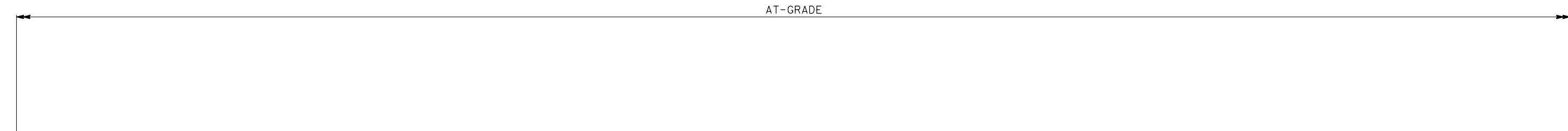
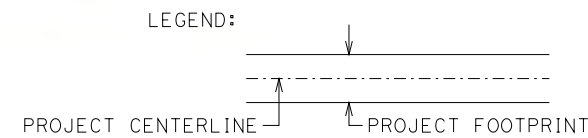
**AECOM CH2MHILL**



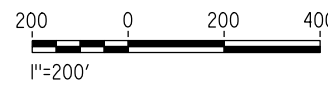
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-32    |





7920+00 7925+00 7930+00 7935+00 7940+00 7945+00 7950+00 7955+00 7960+00 7965+00 7970+00 7975+00 7980+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

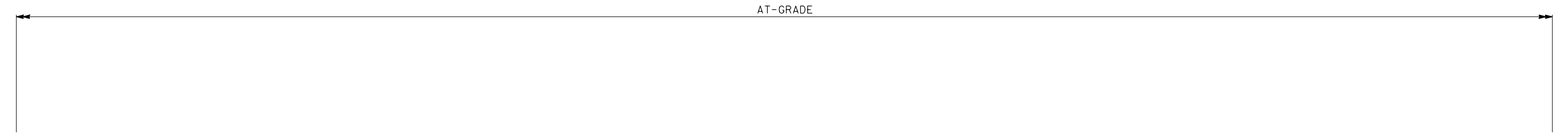
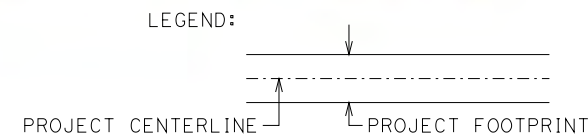
AECOM CH2MHILL



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
Preliminary 10/29/2009

|              |           |
|--------------|-----------|
| CONTRACT NO. | C-0-000   |
| DRAWING NO.  | XXX-XXX   |
| SCALE        | 1" = 200' |
| SHEET NO.    | A3-33     |





7980+00      7985+00      7990+00      7995+00      8000+00      8005+00      8010+00      8015+00      8020+00      8025+00      8030+00      8035+00      8040+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

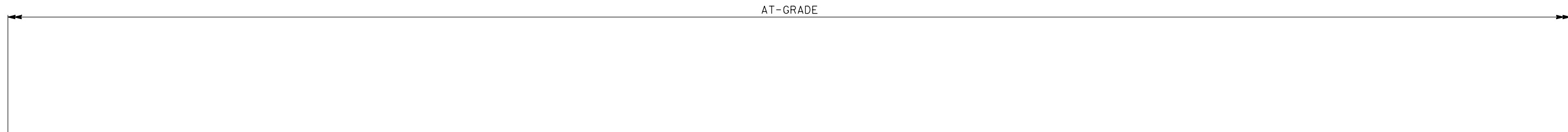
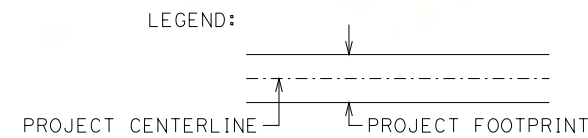
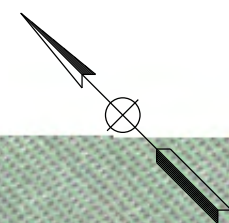
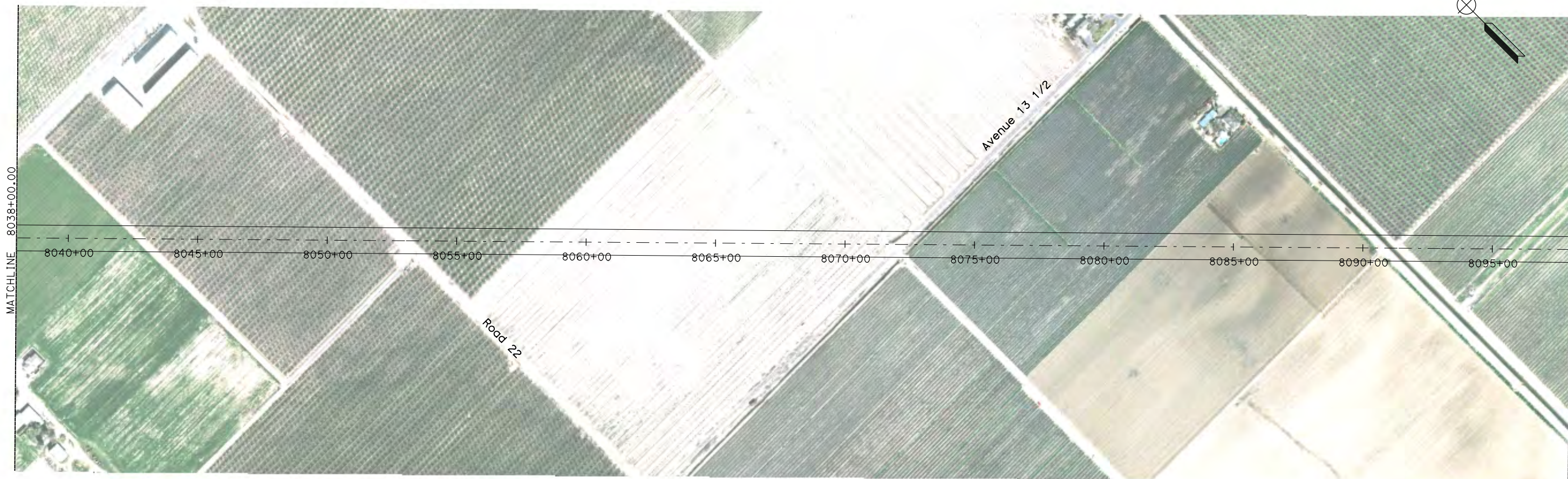
**AECOM CH2MHILL**

CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

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|-------------------------|
| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A3-34      |





8040+00      8045+00      8050+00      8055+00      8060+00      8065+00      8070+00      8075+00      8080+00      8085+00      8090+00      8095+00      8100+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

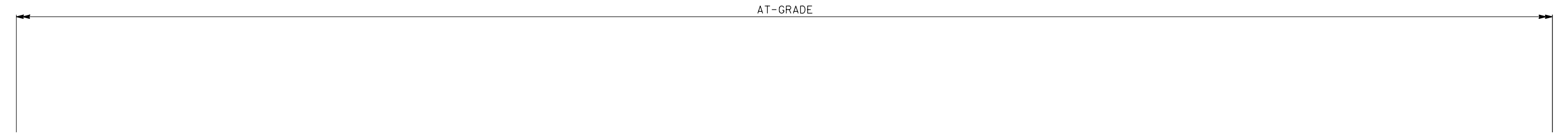
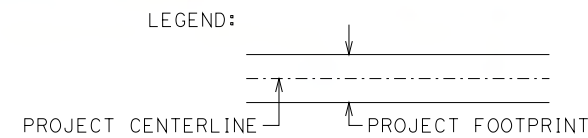
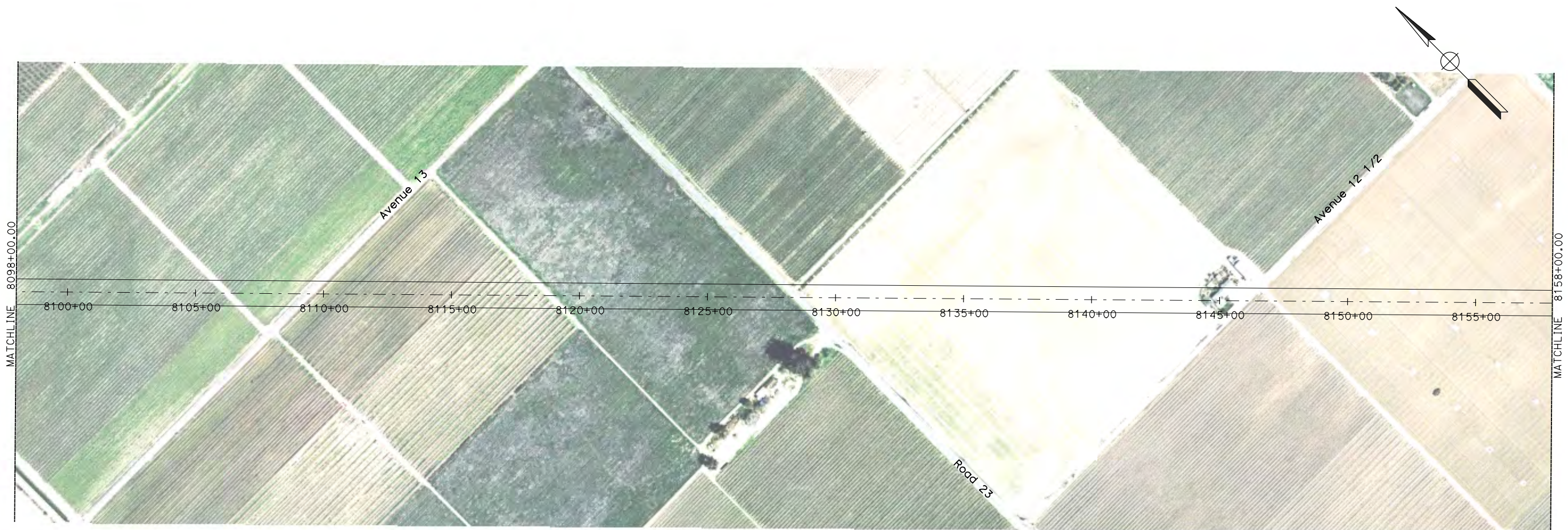
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
  
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-35    |





8100+00      8105+00      8110+00      8115+00      8120+00      8125+00      8130+00      8135+00      8140+00      8145+00      8150+00      8155+00      8160+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

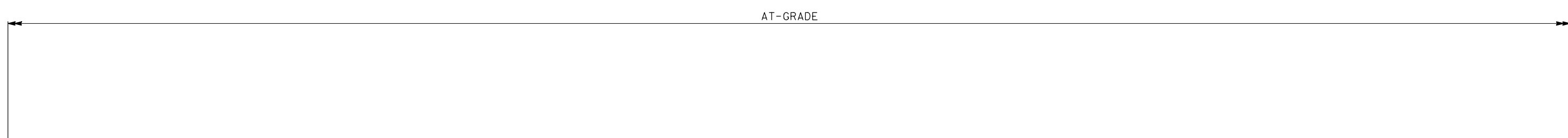
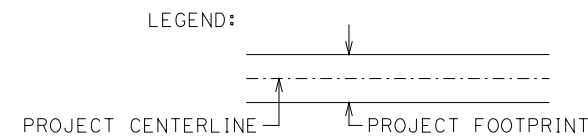
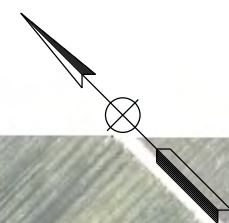
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-36    |





8160+00      8165+00      8170+00      8175+00      8180+00      8185+00      8190+00      8195+00      8200+00      8205+00      8210+00      8215+00      8220+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

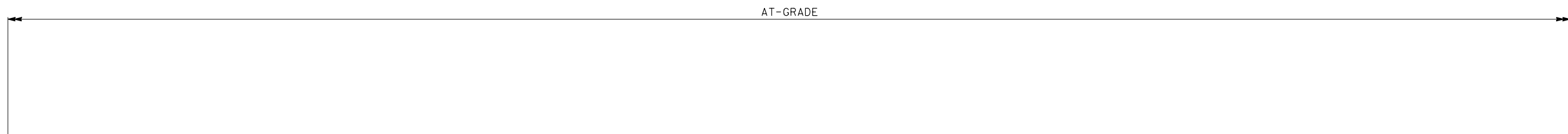
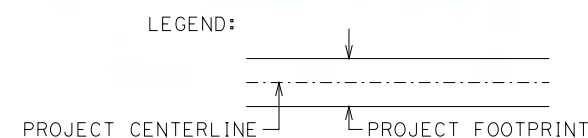
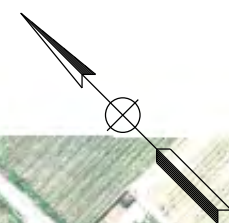
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-37    |





8220+00      8225+00      8230+00      8235+00      8240+00      8245+00      8250+00      8255+00      8260+00      8265+00      8270+00      8275+00      8280+00



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| DATE        |

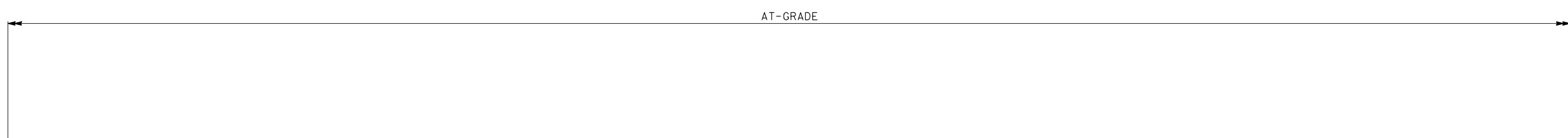
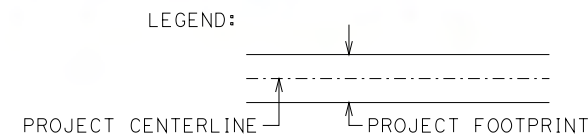
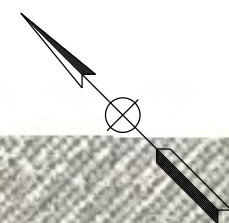
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A3-38      |





8280+00      8285+00      8290+00      8295+00      8300+00      8305+00      8310+00      8315+00      8320+00      8325+00      8330+00      8335+00      8340+00



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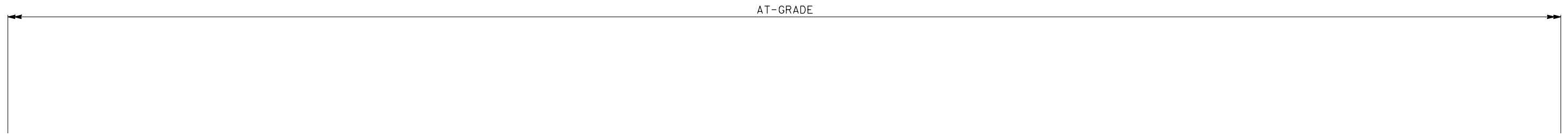
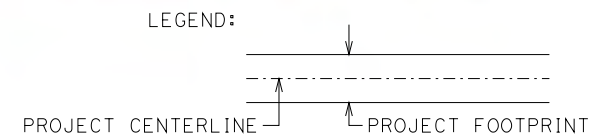
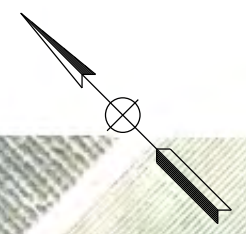
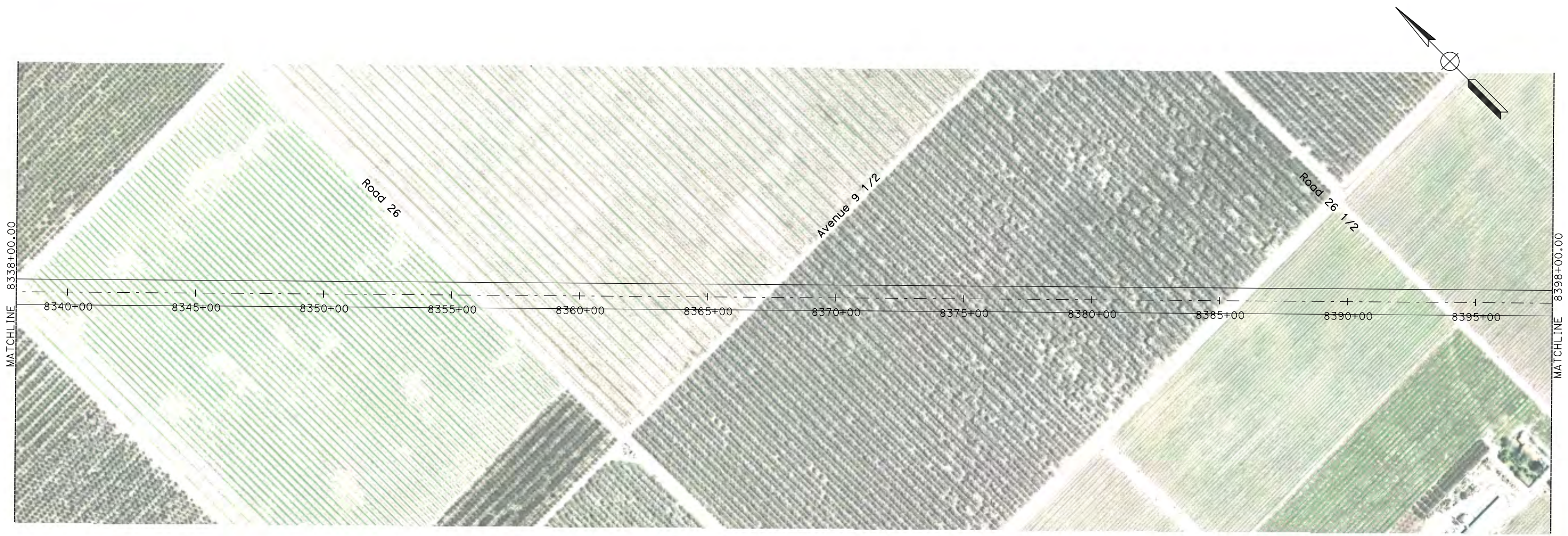
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
  
Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-39    |





8340+00      8345+00      8350+00      8355+00      8360+00      8365+00      8370+00      8375+00      8380+00      8385+00      8390+00      8395+00      8400+00



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| IN CHARGE   |
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AECOM **CH2MHILL**

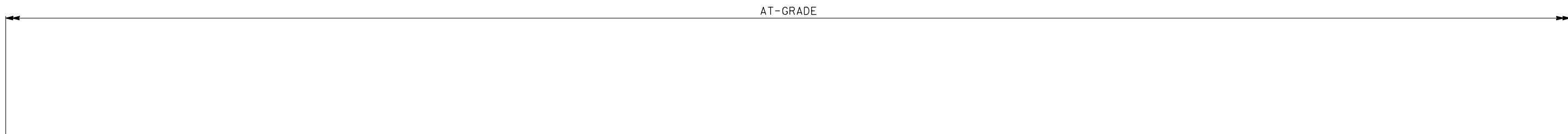
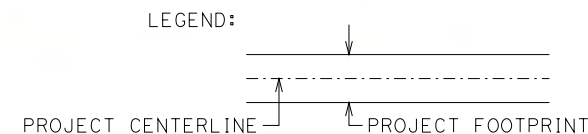
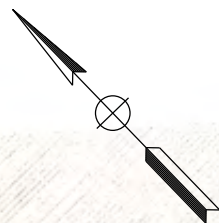


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

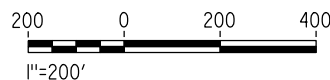
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-40    |





8400+00      8405+00      8410+00      8415+00      8420+00      8425+00      8430+00      8435+00      8440+00      8445+00      8450+00      8455+00      8460+00



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| IN CHARGE   |
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AECOM CH2MHILL

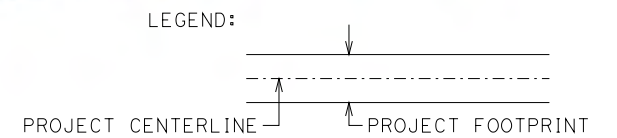
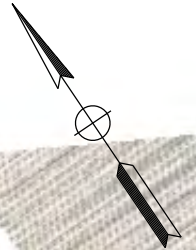


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

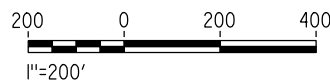
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-41    |





AT-GRADE

8460+00 8465+00 8470+00 8475+00 8480+00 8485+00 8490+00 8495+00 8500+00 8505+00 8510+00 8515+00 8520+00



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| IN CHARGE   |
| DATE        |

AECOM CH2MHILL



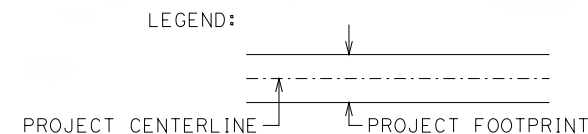
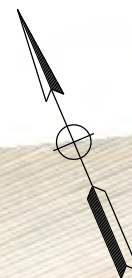
CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

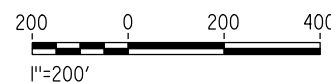
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-42    |





AT-GRADE

8520+00      8525+00      8530+00      8535+00      8540+00      8545+00      8550+00      8555+00      8560+00      8565+00      8570+00      8575+00      8580+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



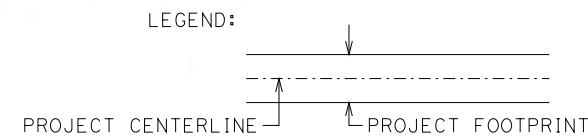
CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-43    |





AT-GRADE

8580+00      8585+00      8590+00      8595+00      8600+00      8605+00      8610+00      8615+00      8620+00      8625+00      8630+00      8635+00      8640+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

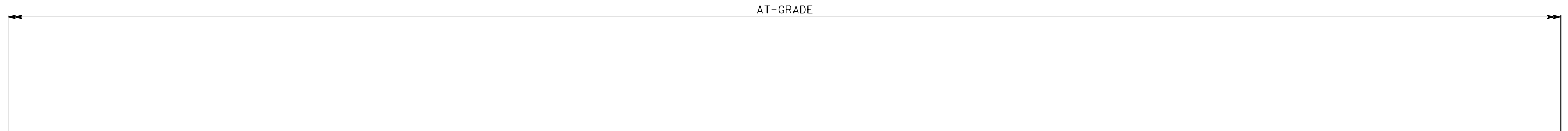
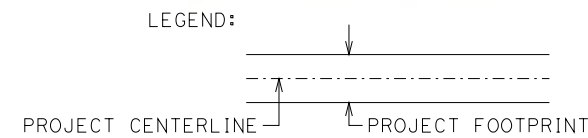


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-44    |





8640+00      8645+00      8650+00      8655+00      8660+00      8665+00      8670+00      8675+00      8680+00      8685+00      8690+00      8695+00      8700+00



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| DESIGNED BY |
| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

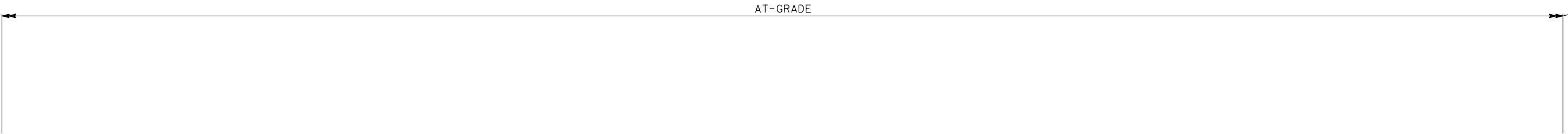
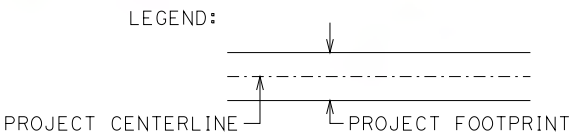
**AECOM CH2MHILL**



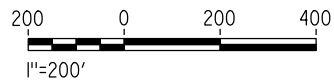
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-45    |





8700+00      8705+00      8710+00      8715+00      8720+00      8725+00      8730+00      8735+00      8740+00      8745+00      8750+00      8755+00      8760+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

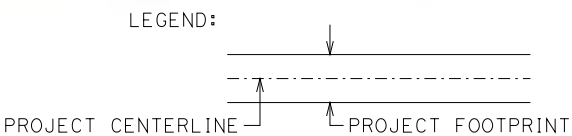


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-46    |

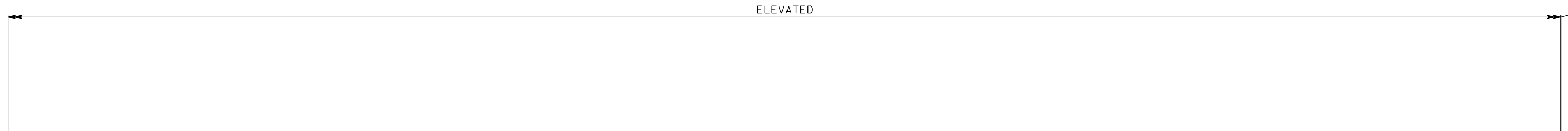
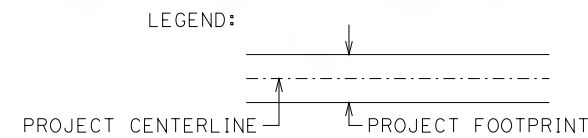
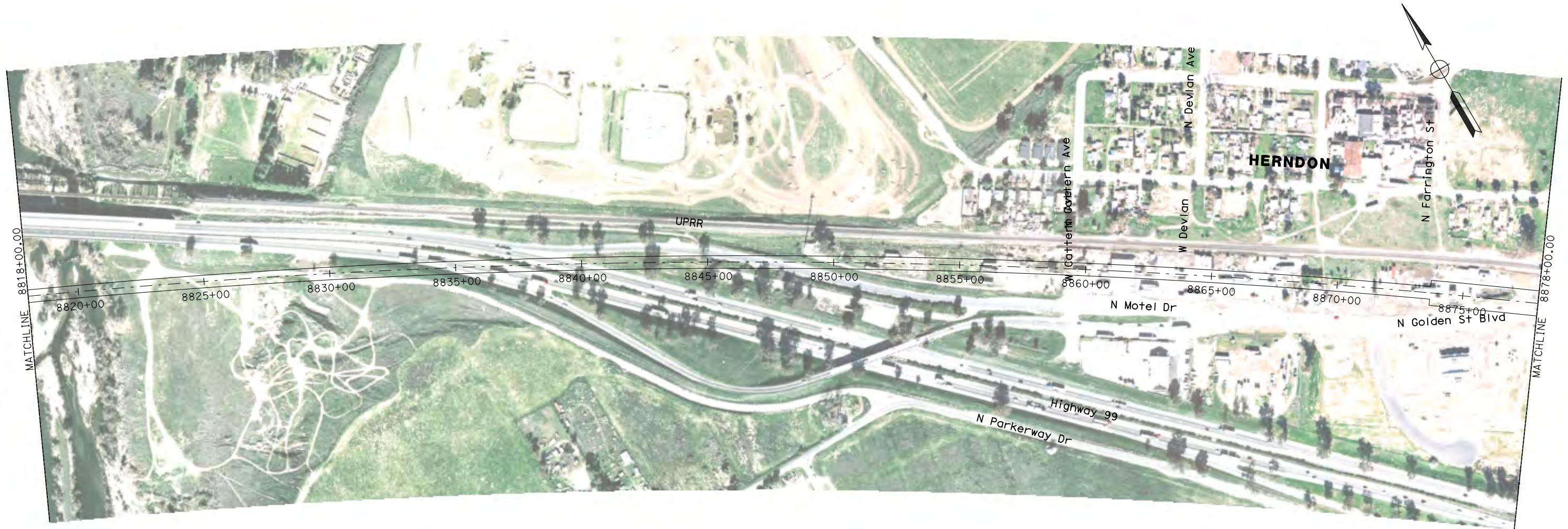




8760+00      8765+00      8770+00      8775+00      8780+00      8785+00      8790+00      8795+00      8800+00      8805+00      8810+00      8815+00      8820+00

|      |             |                       |  |   |                         |
|------|-------------|-----------------------|--|---|-------------------------|
|      | DESIGNED BY | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A3<br><br>Preliminary 10/29/2009 | CONTRACT NO.<br>C-0-000 |
|      | DRAWN BY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|      | CHECKED BY  |                       |  |   | SCALE<br>1"= 200'       |
|      | IN CHARGE   |                       |  |   | SHEET NO.<br>A3-47      |
| DATE |             |                       |  |   |                         |





8820+00      8825+00      8830+00      8835+00      8840+00      8845+00      8850+00      8855+00      8860+00      8865+00      8870+00      8875+00      8880+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

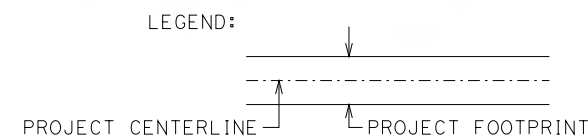
AECOM **CH2MHILL**



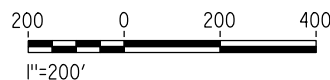
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-48    |





8880+00      8885+00      8890+00      8895+00      8900+00      8905+00      8910+00      8915+00      8920+00      8925+00      8930+00      8935+00      8940+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

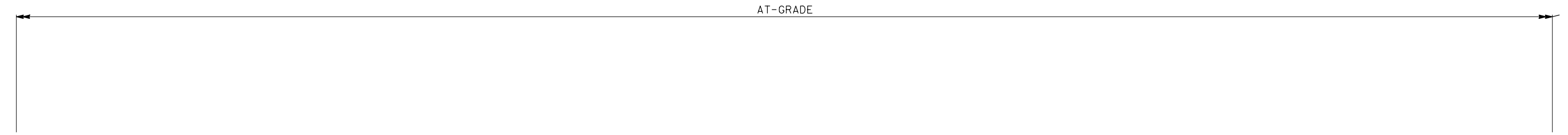
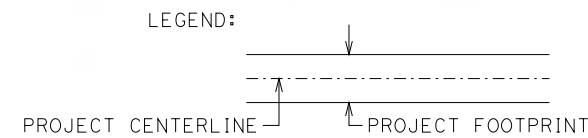


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-49    |





8940+00      8945+00      8950+00      8955+00      8960+00      8965+00      8970+00      8975+00      8980+00      8985+00      8990+00      8995+00      9000+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

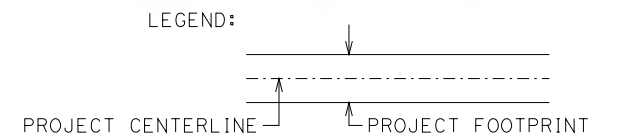
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

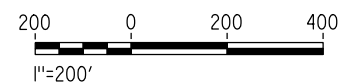
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-50    |





AT-GRADE

9000+00      9005+00      9010+00      9015+00      9020+00      9025+00      9030+00      9035+00      9040+00      9045+00      9050+00      9055+00      9060+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

**AECOM CH2MHILL**

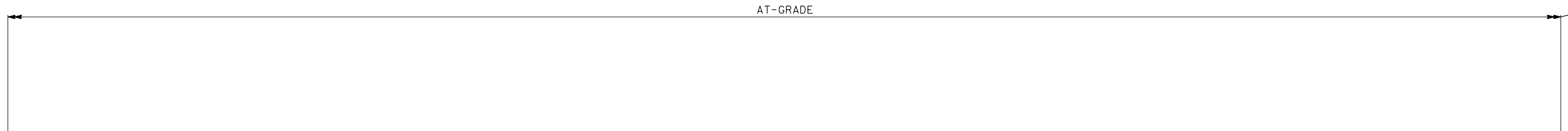
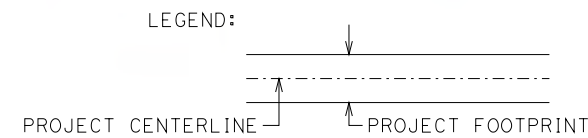
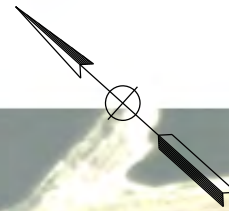


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-51    |





9060+00      9065+00      9070+00      9075+00      9080+00      9085+00      9090+00      9095+00      9100+00      9105+00      9110+00      9115+00      9120+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

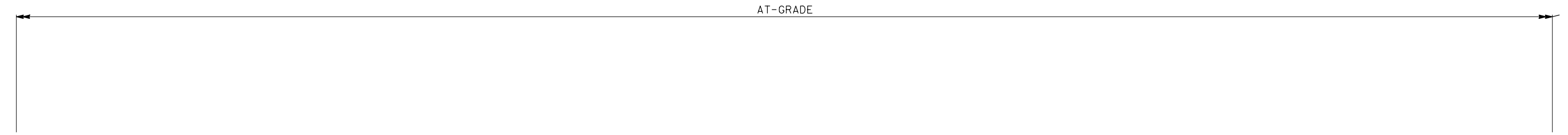
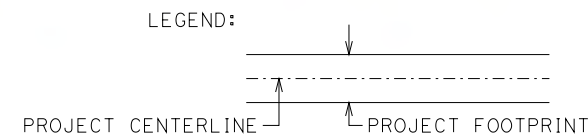
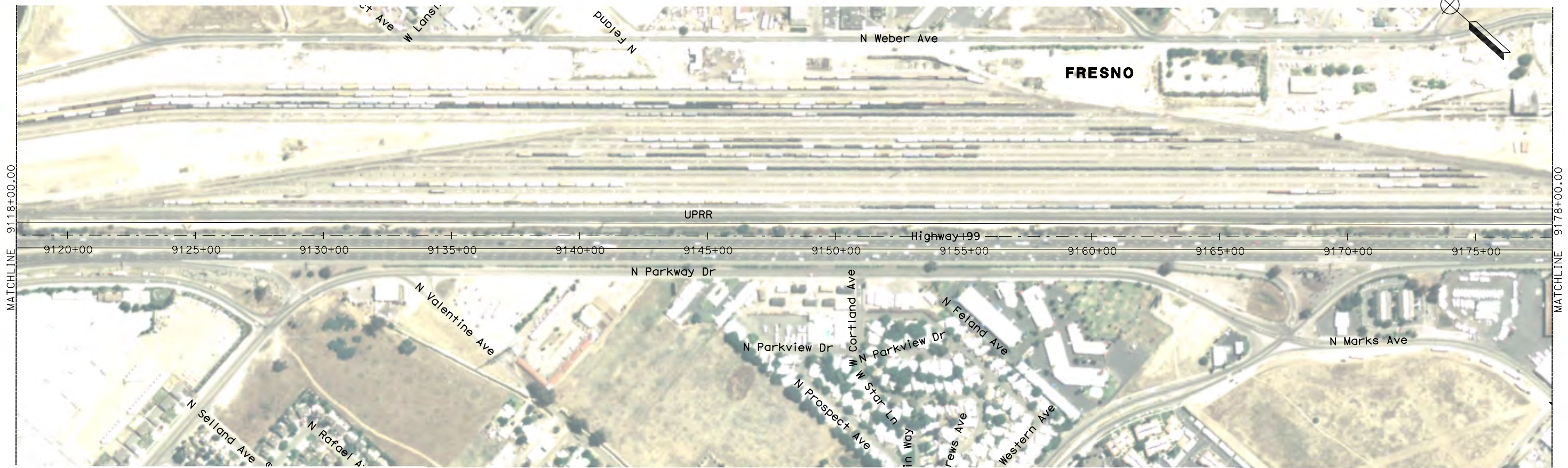
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-52    |





9120+00      9125+00      9130+00      9135+00      9140+00      9145+00      9150+00      9155+00      9160+00      9165+00      9170+00      9175+00      9180+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

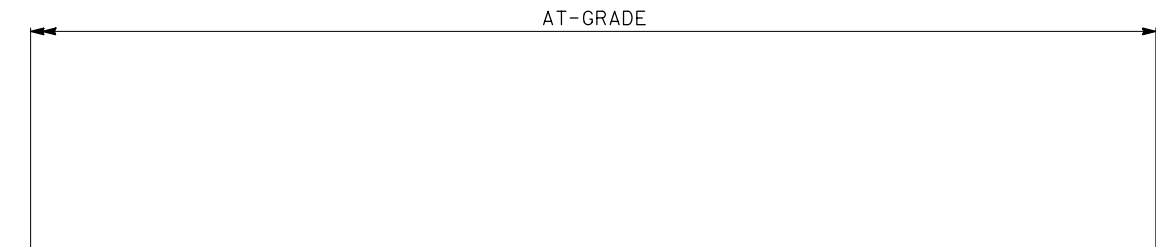
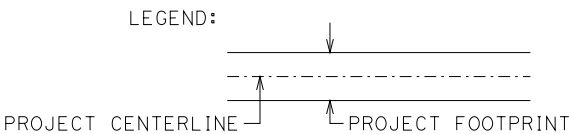
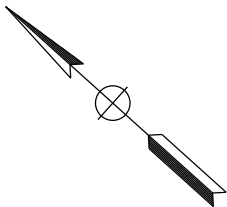
AECOM **CH2MHILL**



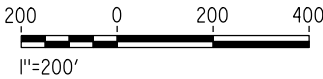
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3  
  
Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-53    |





9180+00      9185+00      9190+00      9195+00      9200+00      9205+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

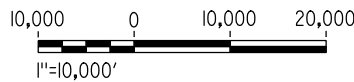
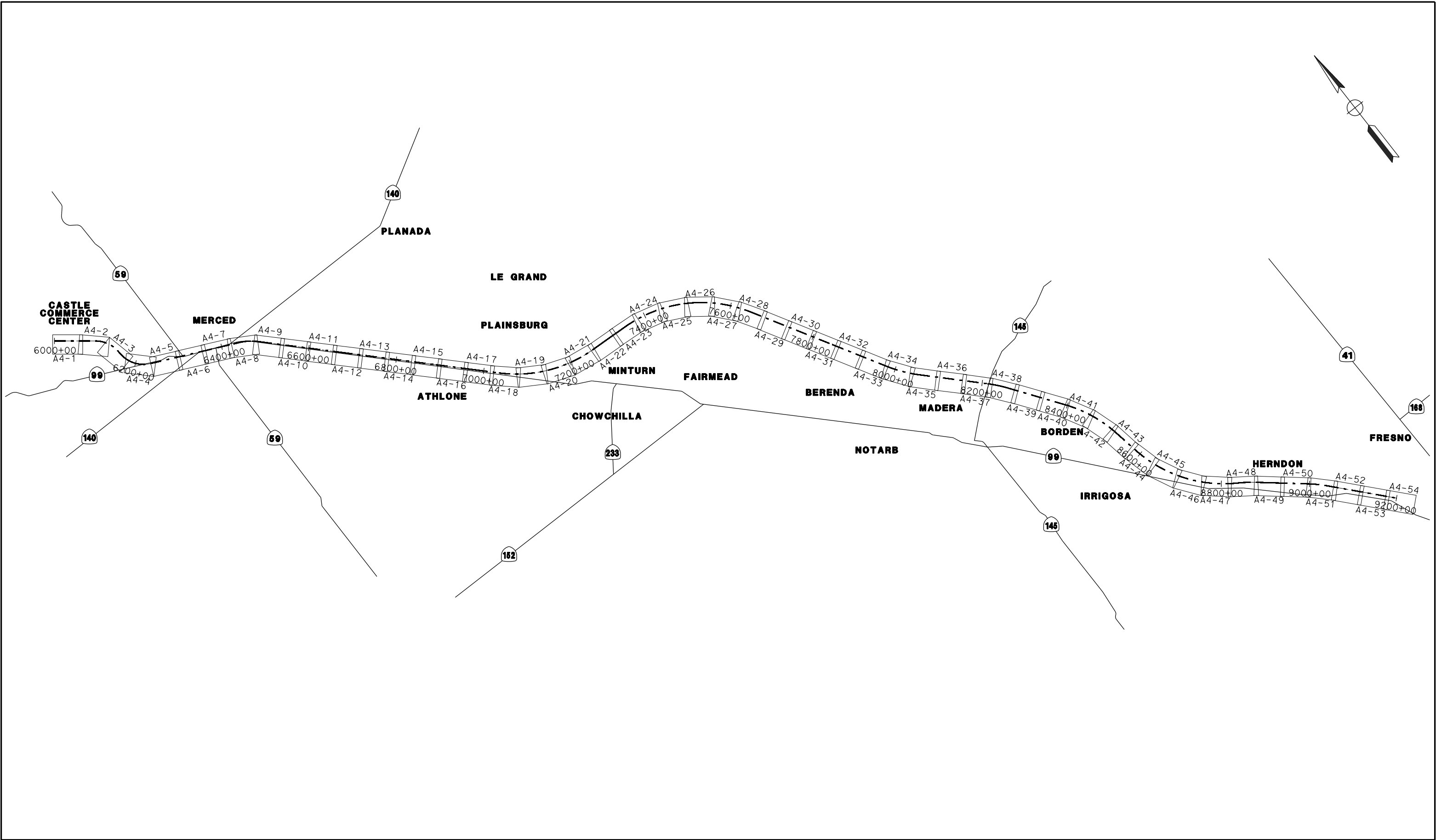


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A3

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A3-54    |





DESIGNED BY  
X.XXXXX  
DRAWN BY  
Y.YYYYY  
CHECKED BY  
Z.ZZZZ  
IN CHARGE  
A.AAAA  
DATE  
##-##-##

AECOM CH2MHILL



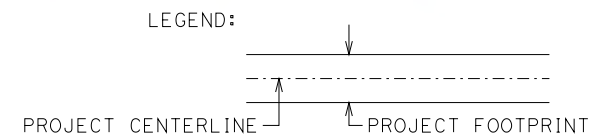
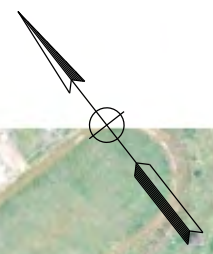
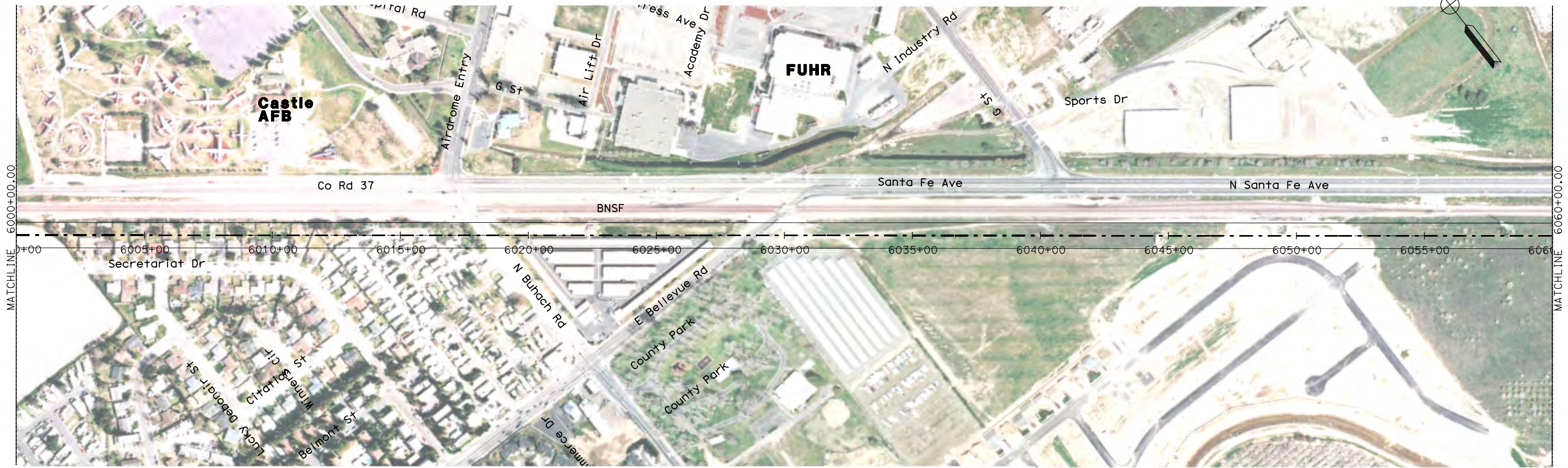
CALIFORNIA HIGH SPEED RAIL AUTHORITY  
**FLY CALIFORNIA**  
*Without ever leaving the ground.*

**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

CONTRACT NO.  
C-0-000  
DRAWING NO.  
XXX-XXX  
SCALE  
1" = 10,000'  
SHEET NO.  
A4-KEY MAP





AT-GRADE

6000+00      6005+00      6010+00      6015+00      6020+00      6025+00      6030+00      6035+00      6040+00      6045+00      6050+00      6055+00      6060+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

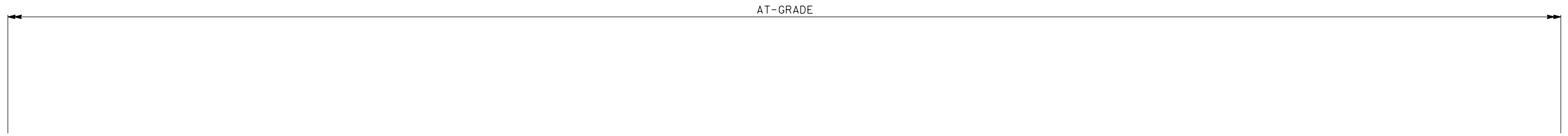
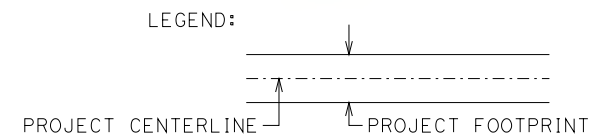
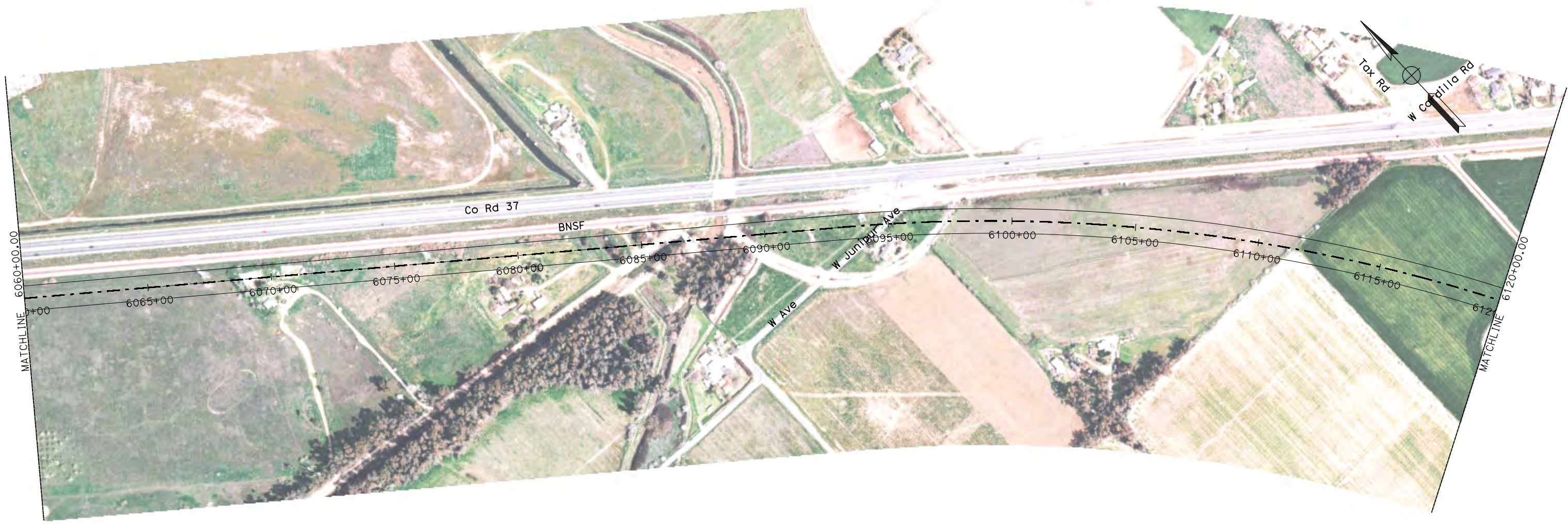
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-1     |





6060+00      6065+00      6070+00      6075+00      6080+00      6085+00      6090+00      6095+00      6100+00      6105+00      6110+00      6115+00      6120+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

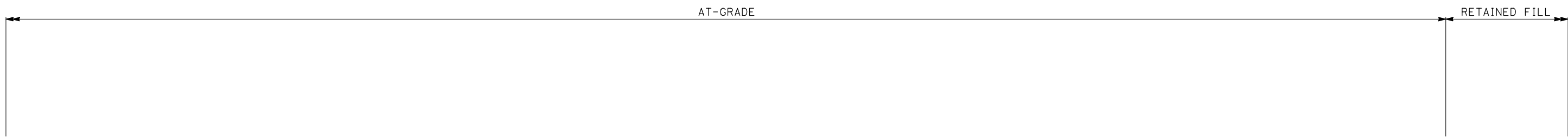
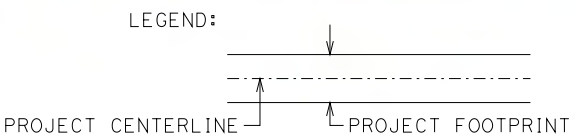


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

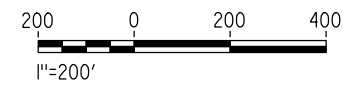
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-2     |

DATE: 10/29/2009 11:50 AM





6120+00      6125+00      6130+00      6135+00      6140+00      6145+00      6150+00      6155+00      6160+00      6165+00      6170+00      6175+00      6180+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

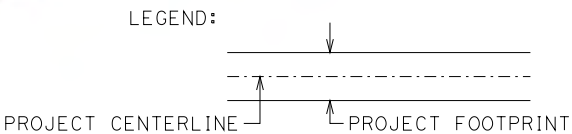
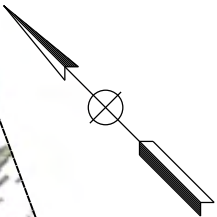
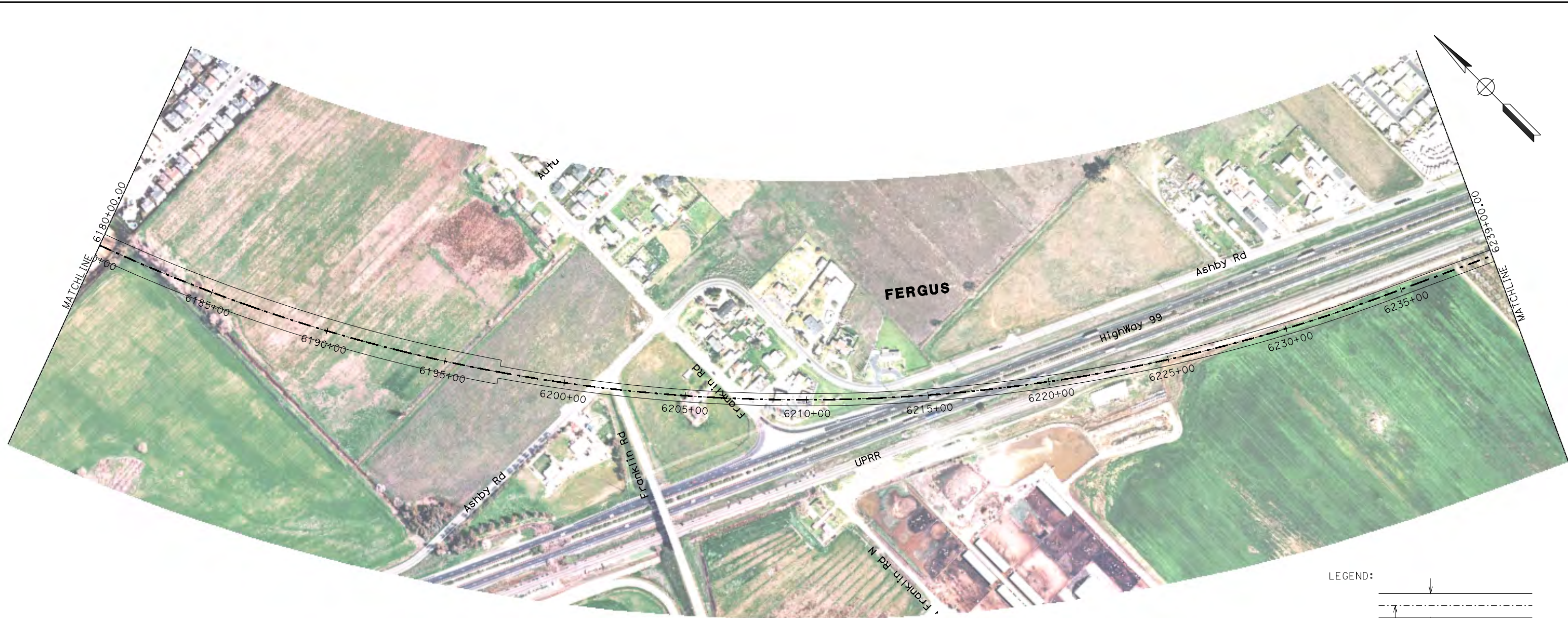


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

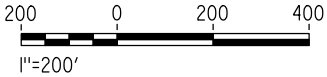
Preliminary 10/29/2009

|              |           |
|--------------|-----------|
| CONTRACT NO. | C-0-000   |
| DRAWING NO.  | XXX-XXX   |
| SCALE        | 1" = 200' |
| SHEET NO.    | A4-3      |





6180+00      6185+00      6190+00      6195+00      6200+00      6205+00      6210+00      6215+00      6220+00      6225+00      6230+00      6235+00      6240+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

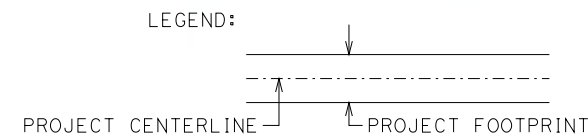
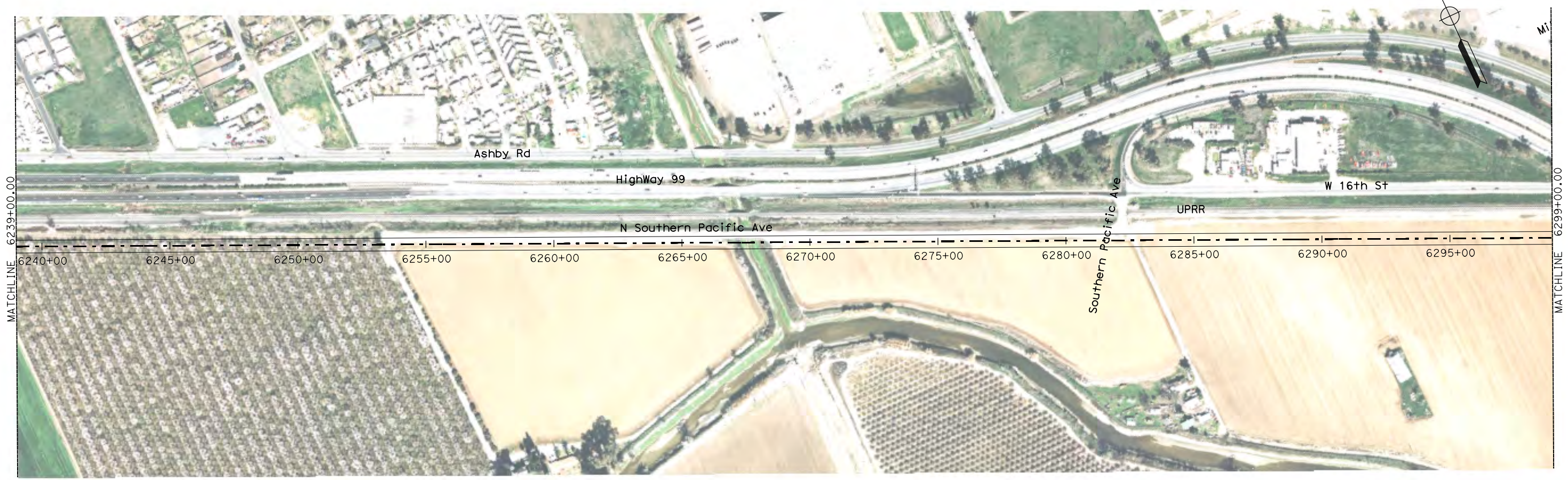


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-4     |





6240+00      6245+00      6250+00      6255+00      6260+00      6265+00      6270+00      6275+00      6280+00      6285+00      6290+00      6295+00      6300+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

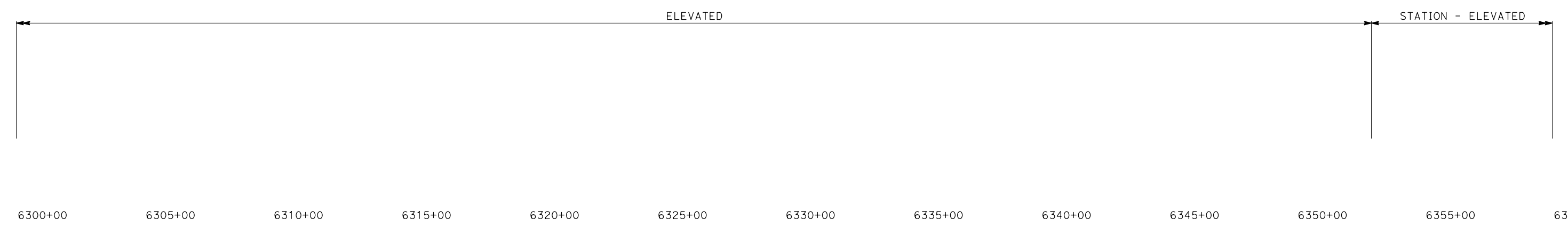
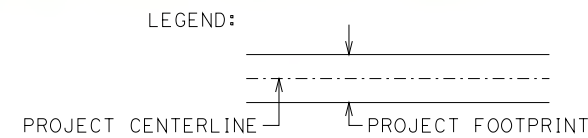
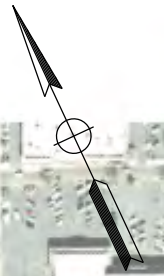
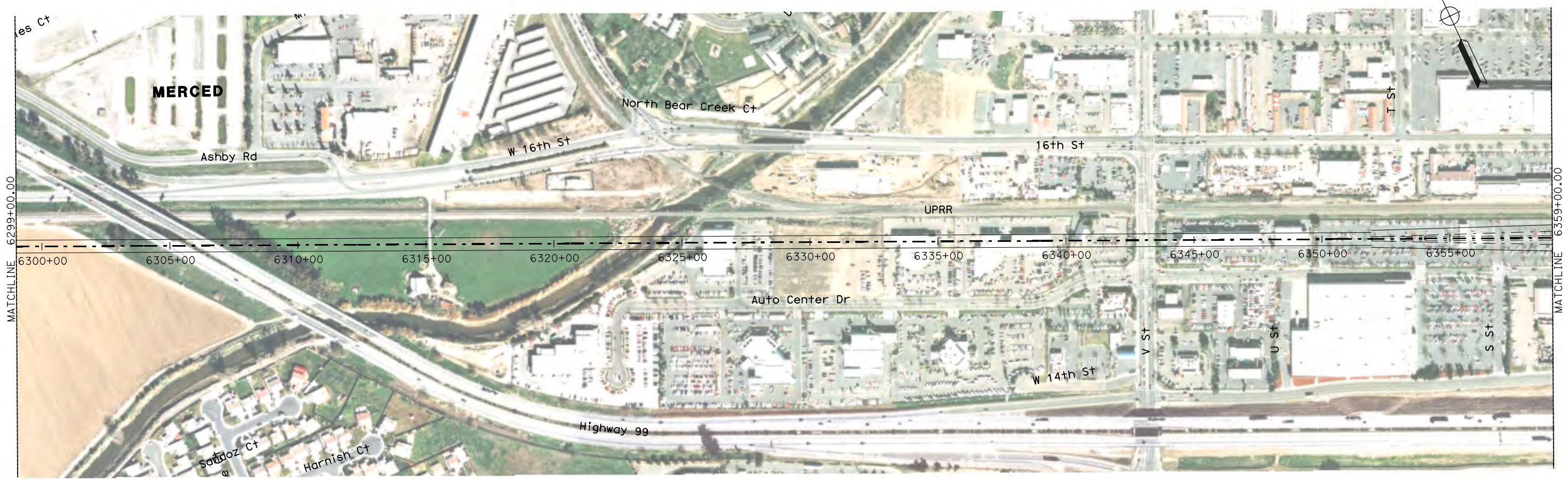
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-5     |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

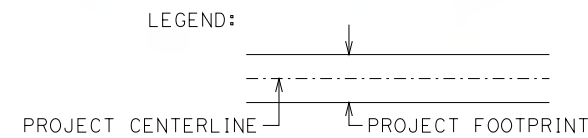
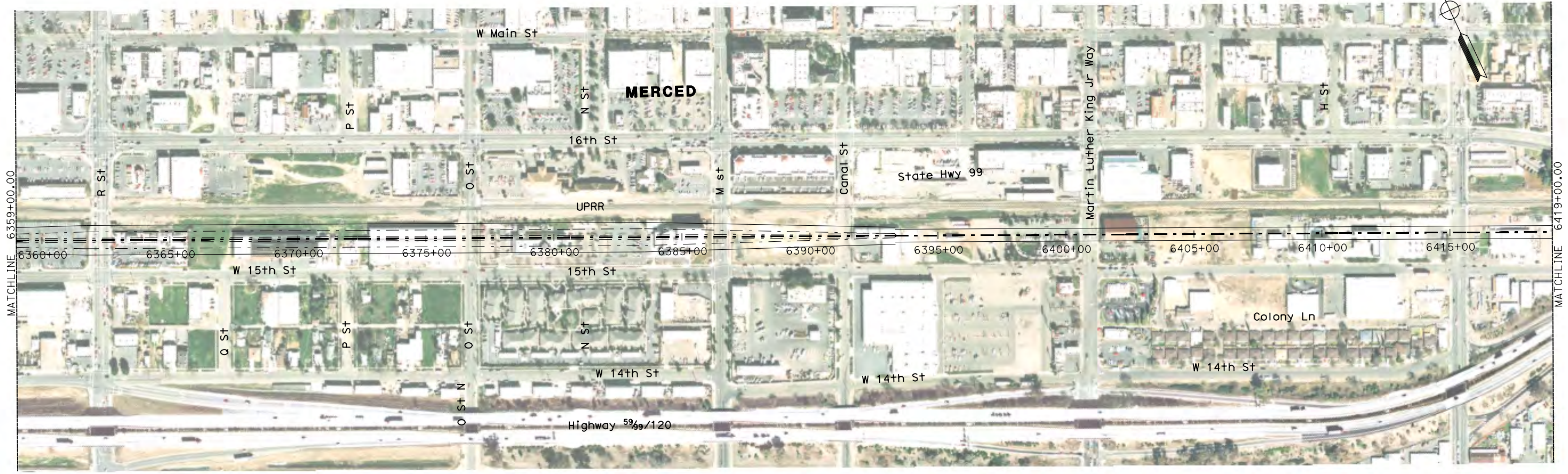
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-6     |





6360+00      6365+00      6370+00      6375+00      6380+00      6385+00      6390+00      6395+00      6400+00      6405+00      6410+00      6415+00      6420+00



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|-------------|
| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM

CH2MHILL

CALIFORNIA HIGH SPEED RAIL AUTHORITY

**FLY CALIFORNIA**

Without ever leaving the ground.

**CALIFORNIA HIGH SPEED TRAIN PROJECT**

**SACRAMENTO TO FRESNO ALIGNMENT STUDY**

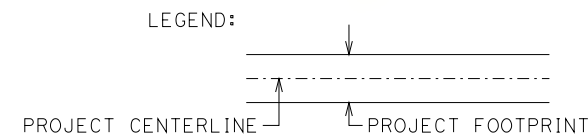
MERCED TO FRESNO SECTION

ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-7     |





6420+00      6425+00      6430+00      6435+00      6440+00      6445+00      6450+00      6455+00      6460+00      6465+00      6470+00      6475+00      6480+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

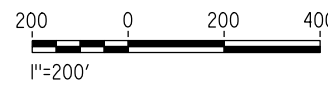
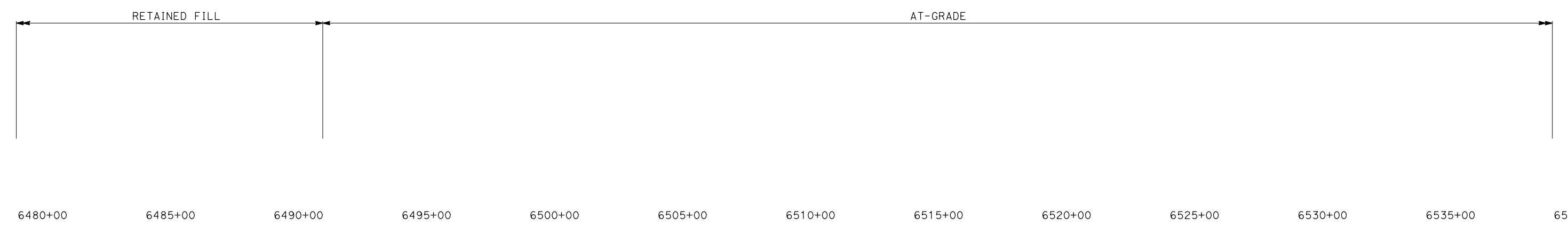
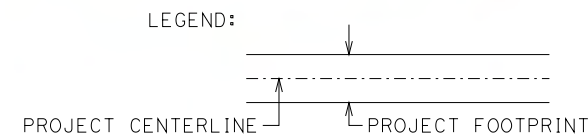
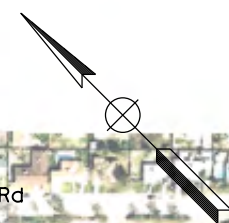
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-8     |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

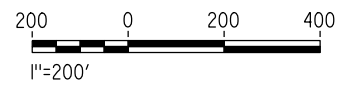
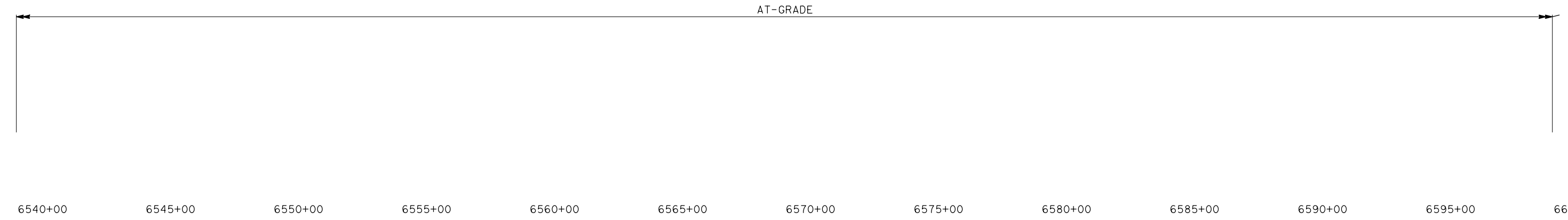
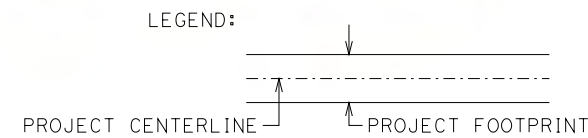
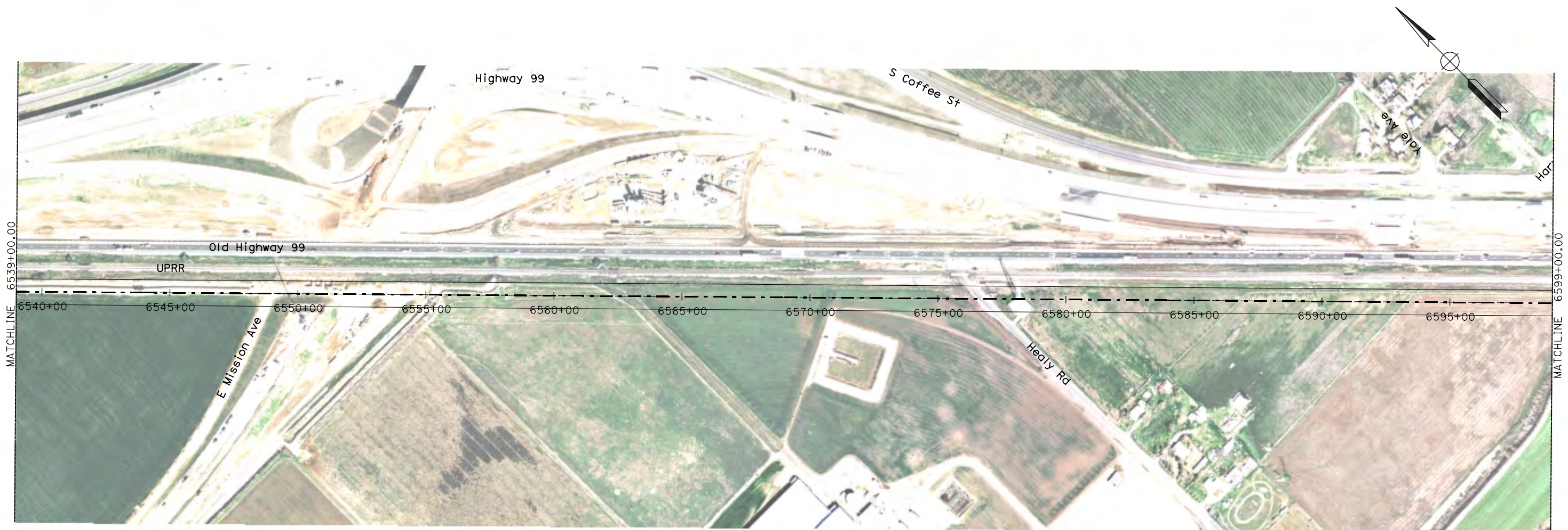
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-9     |





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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

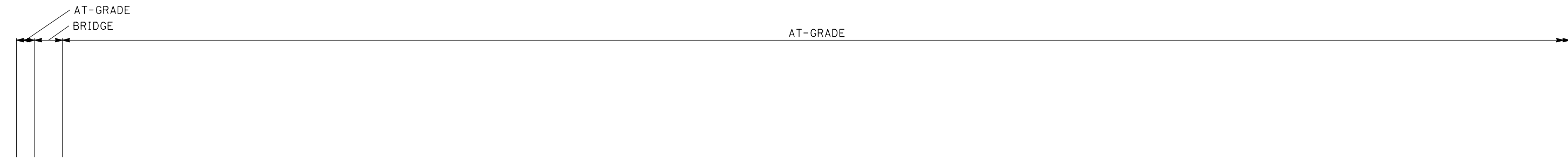
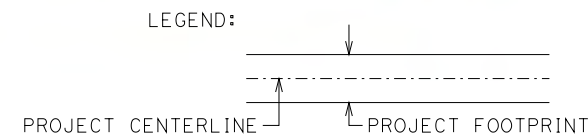
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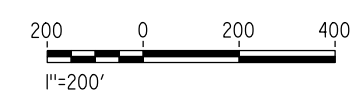
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-10    |





6600+00      6605+00      6610+00      6615+00      6620+00      6625+00      6630+00      6635+00      6640+00      6645+00      6650+00      6655+00      6660+00



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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

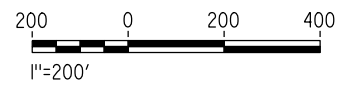
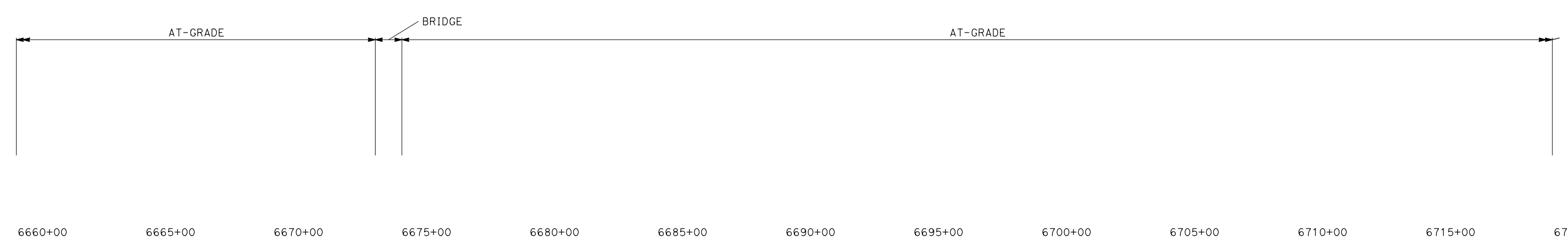
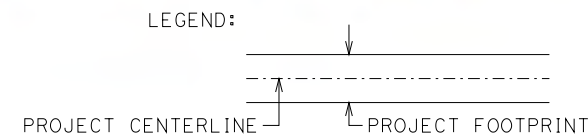
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-11    |





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| IN CHARGE   |
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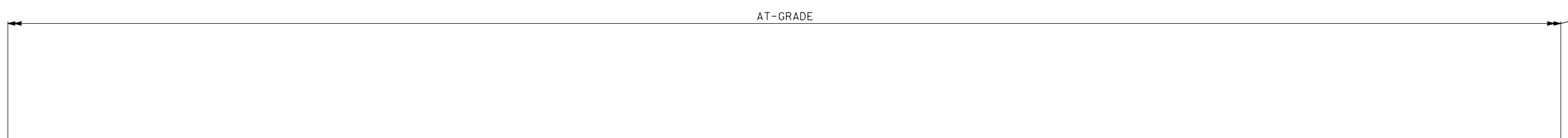
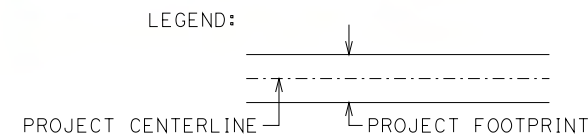
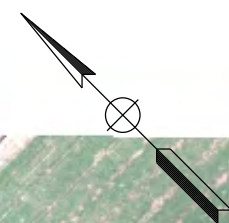
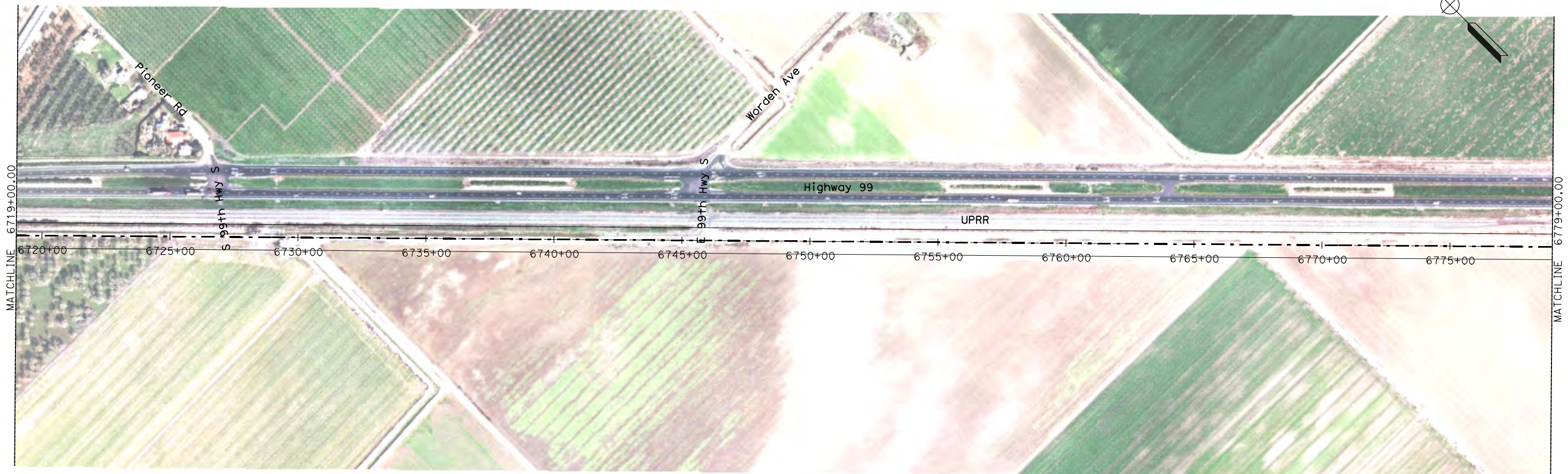
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-12    |





6720+00      6725+00      6730+00      6735+00      6740+00      6745+00      6750+00      6755+00      6760+00      6765+00      6770+00      6775+00      6780+00



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| IN CHARGE   |
| DATE        |

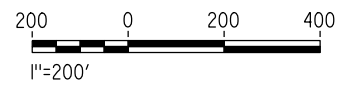
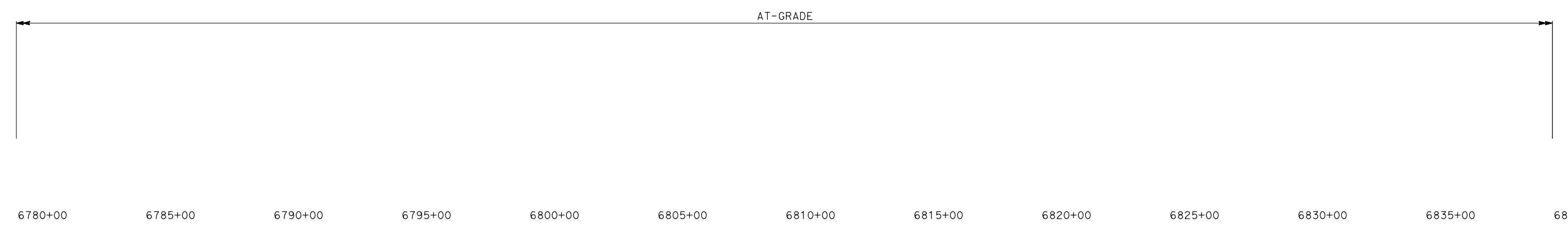
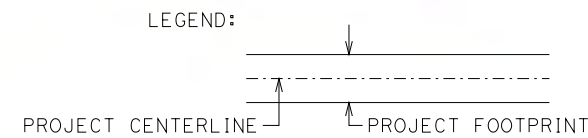
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
  
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-13    |





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| DESIGNED BY |
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| IN CHARGE   |
| DATE        |

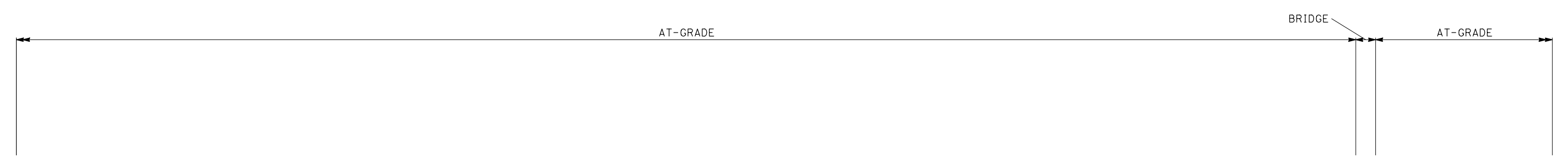
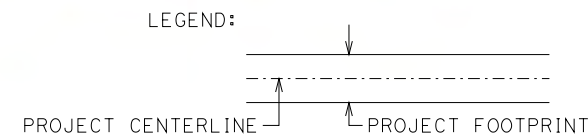
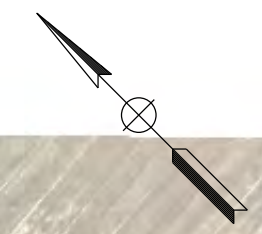
AECOM **CH2MHILL**



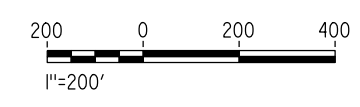
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-14    |





6840+00      6845+00      6850+00      6855+00      6860+00      6865+00      6870+00      6875+00      6880+00      6885+00      6890+00      6895+00      6900+00



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| IN CHARGE   |
| DATE        |

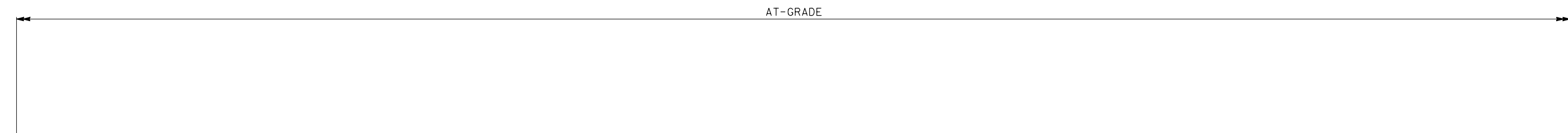
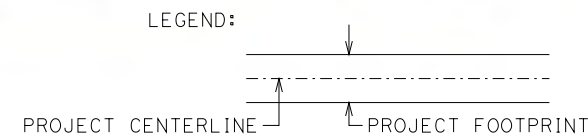
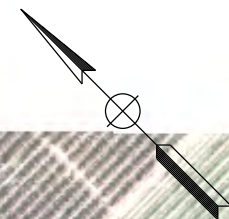
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-15    |





6900+00      6905+00      6910+00      6915+00      6920+00      6925+00      6930+00      6935+00      6940+00      6945+00      6950+00      6955+00      6960+00



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| IN CHARGE   |
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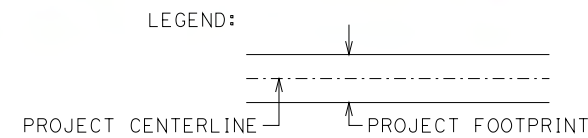
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-16    |





6960+00      6965+00      6970+00      6975+00      6980+00      6985+00      6990+00      6995+00      7000+00      7005+00      7010+00      7015+00      7020+00



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| IN CHARGE   |
| DATE        |

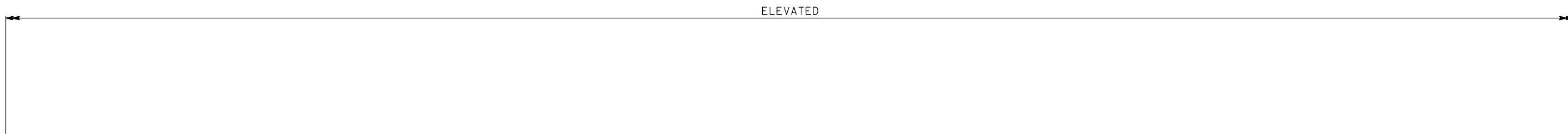
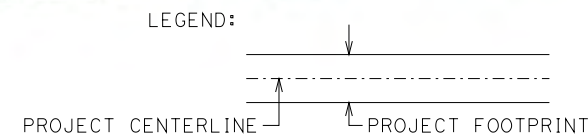
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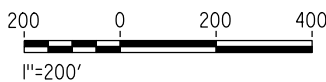
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000   |
| DRAWING NO.  | XXX-XXX   |
| SCALE        | 1" = 200' |
| SHEET NO.    | A4-17     |





7020+00      7025+00      7030+00      7035+00      7040+00      7045+00      7050+00      7055+00      7060+00      7065+00      7070+00      7075+00      7080+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
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AECOM **CH2MHILL**

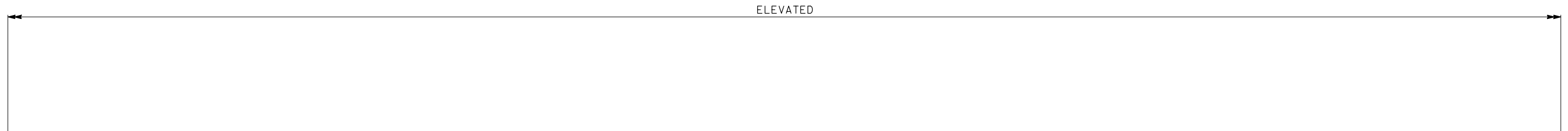
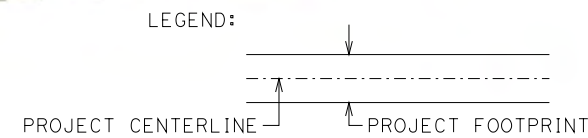


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

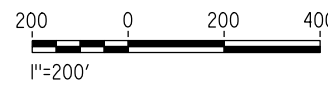
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-18    |





7080+00      7085+00      7090+00      7095+00      7100+00      7105+00      7110+00      7115+00      7120+00      7125+00      7130+00      7135+00      7140+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

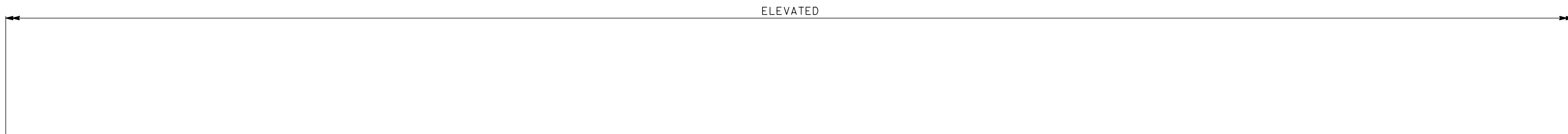
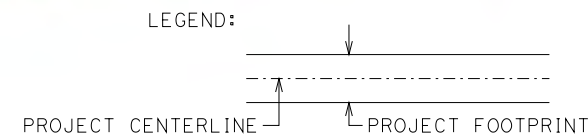
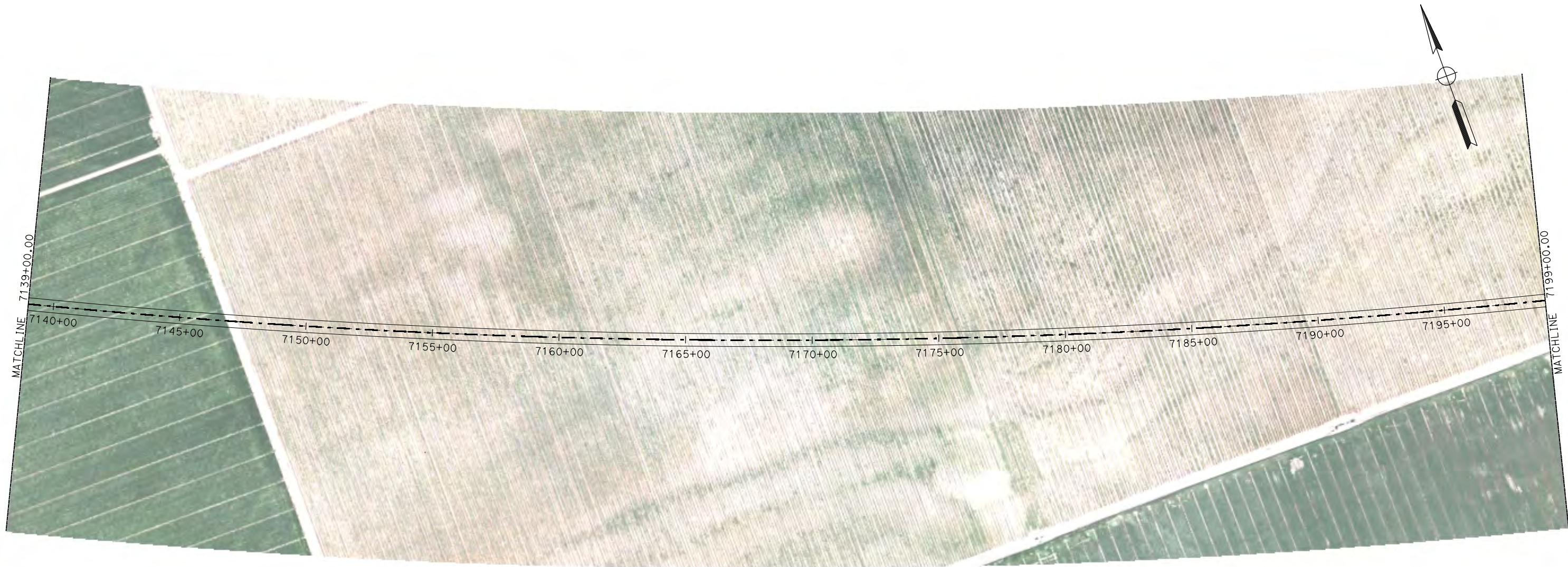
**AECOM CH2MHILL**



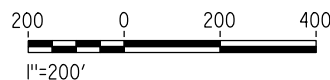
**CALIFORNIA HIGH SPEED TRAIN PROJECT  
SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO.<br>C-0-000 |
| DRAWING NO.<br>XXX-XXX  |
| SCALE<br>1"= 200'       |
| SHEET NO.<br>A4-19      |





7140+00      7145+00      7150+00      7155+00      7160+00      7165+00      7170+00      7175+00      7180+00      7185+00      7190+00      7195+00      7200+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

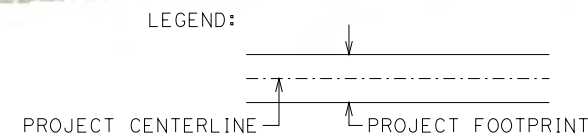


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-20    |





7200+00      7205+00      7210+00      7215+00      7220+00      7225+00      7230+00      7235+00      7240+00      7245+00      7250+00      7255+00      7260+00



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| DRAWN BY    |
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| IN CHARGE   |
| DATE        |

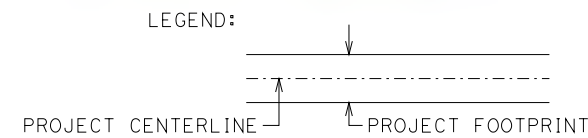
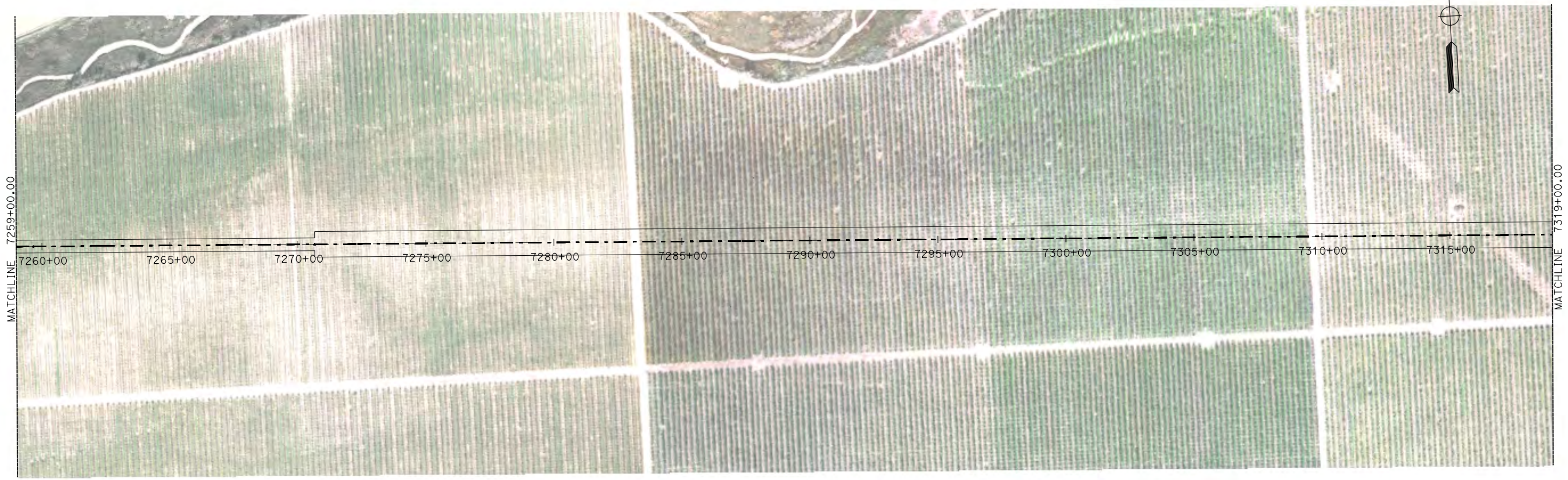
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-21    |





7260+00      7265+00      7270+00      7275+00      7280+00      7285+00      7290+00      7295+00      7300+00      7305+00      7310+00      7315+00      7320+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

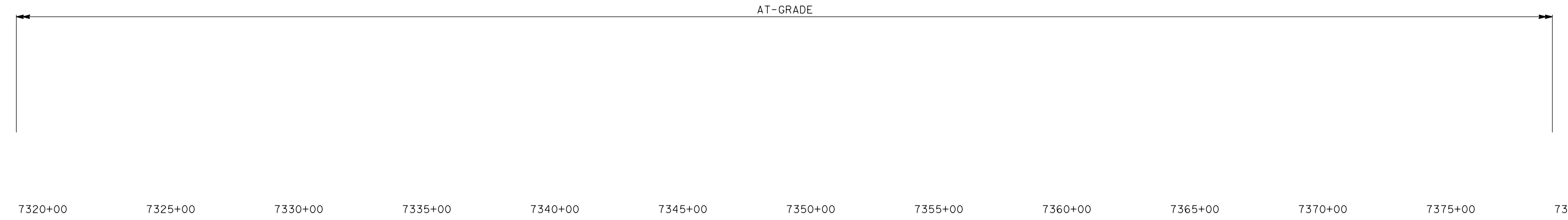
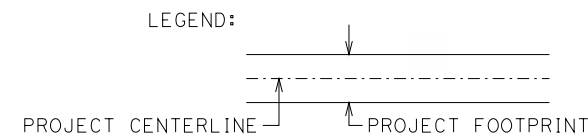
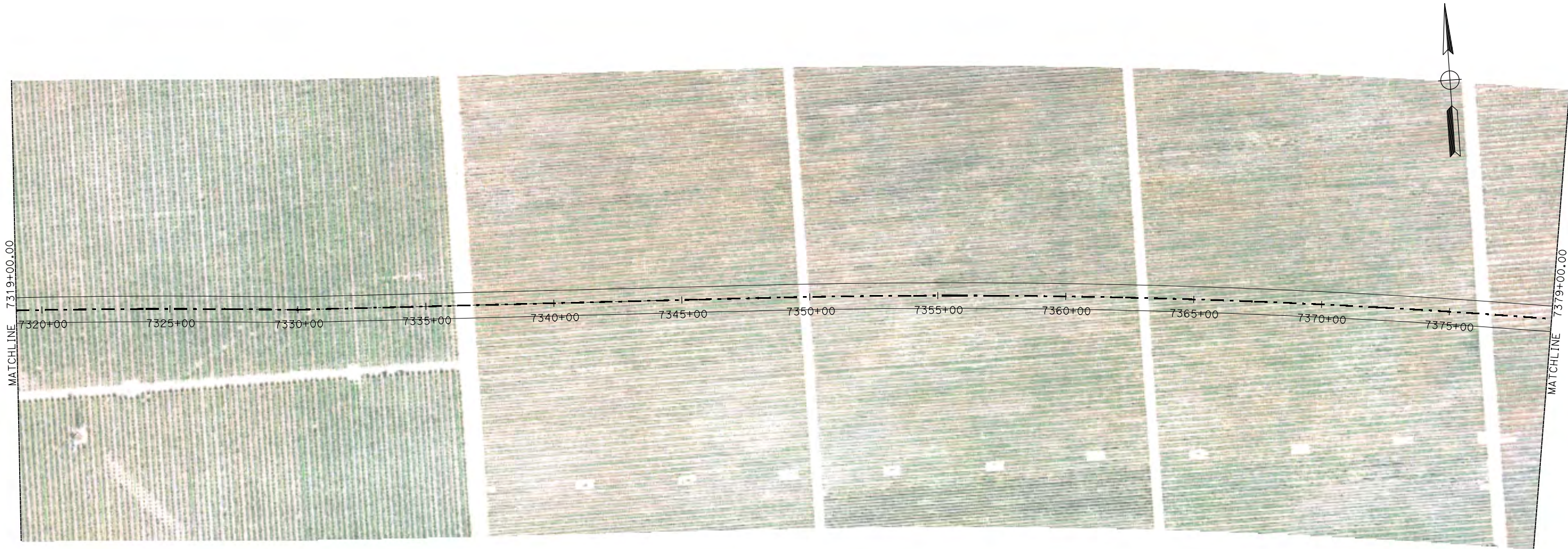


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-22    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

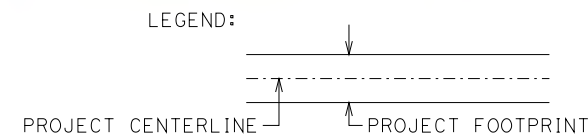
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

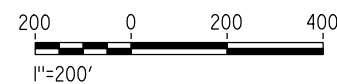
|              |           |
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| CONTRACT NO. | C-0-000   |
| DRAWING NO.  | XXX-XXX   |
| SCALE        | 1" = 200' |
| SHEET NO.    | A4-23     |





AT-GRADE

7380+00      7385+00      7390+00      7395+00      7400+00      7405+00      7410+00      7415+00      7420+00      7425+00      7430+00      7435+00      7440+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

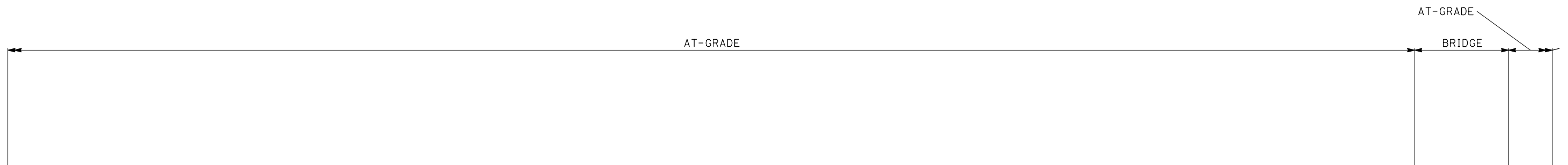
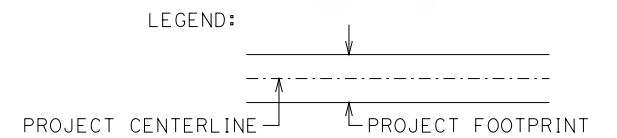


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

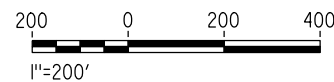
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-24    |





7440+00      7445+00      7450+00      7455+00      7460+00      7465+00      7470+00      7475+00      7480+00      7485+00      7490+00      7495+00      7500+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

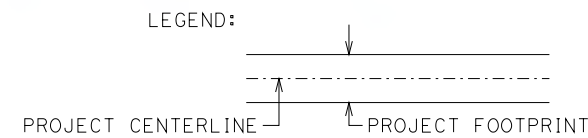


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

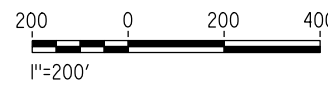
Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-25    |





7500+00      7505+00      7510+00      7515+00      7520+00      7525+00      7530+00      7535+00      7540+00      7545+00      7550+00      7555+00      7560+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

**AECOM CH2MHILL**



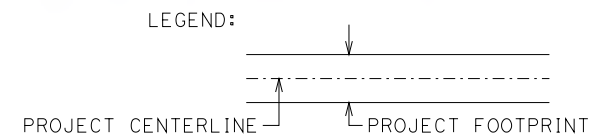
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-26    |



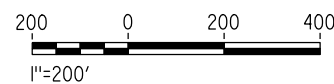


LEGEND:



AT-GRADE

7560+00      7565+00      7570+00      7575+00      7580+00      7585+00      7590+00      7595+00      7600+00      7605+00      7610+00      7615+00      7620+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

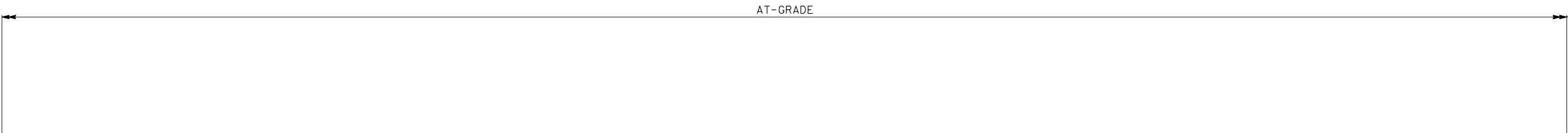
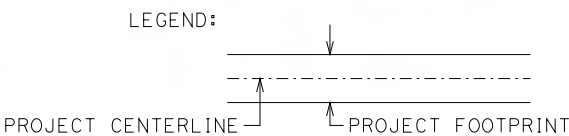
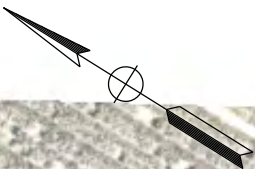
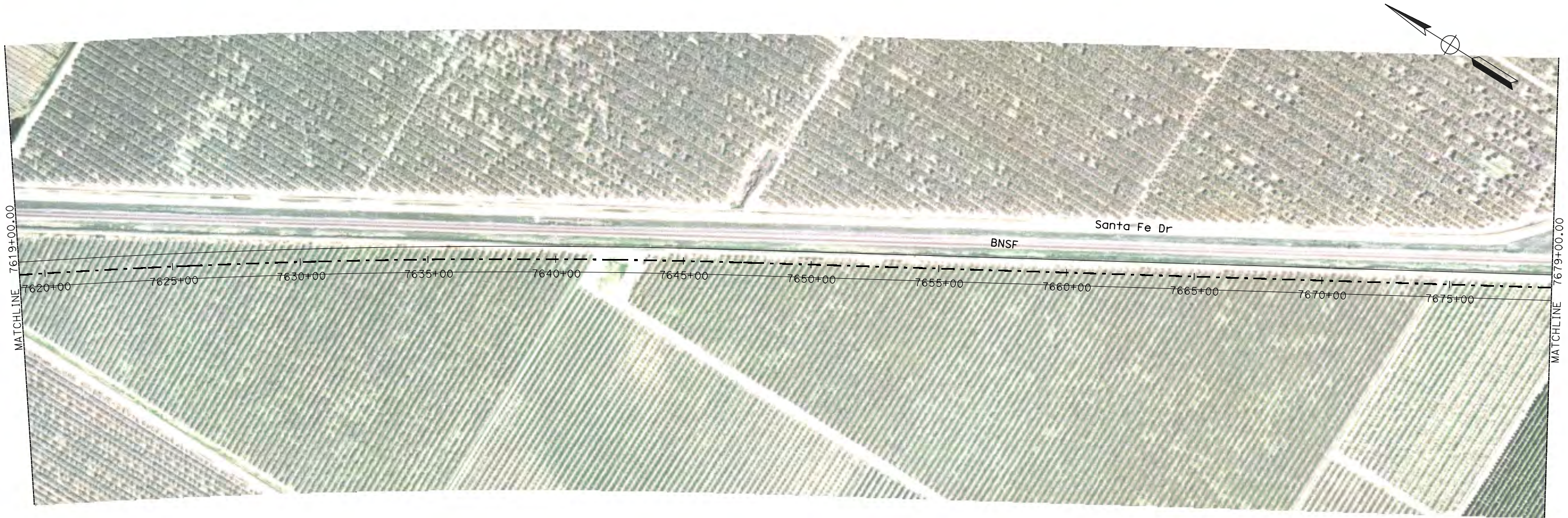


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

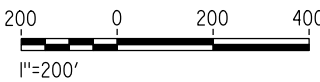
Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-27    |





7620+00      7625+00      7630+00      7635+00      7640+00      7645+00      7650+00      7655+00      7660+00      7665+00      7670+00      7675+00      7680+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

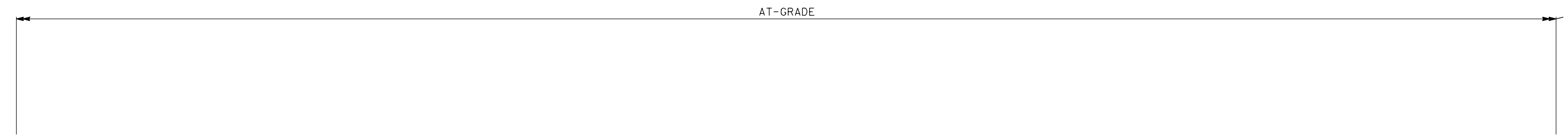
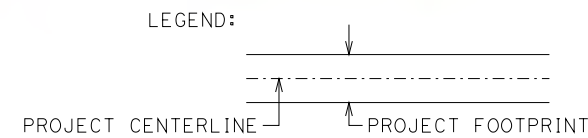


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

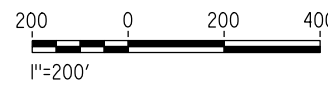
Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-28    |





7680+00      7685+00      7690+00      7695+00      7700+00      7705+00      7710+00      7715+00      7720+00      7725+00      7730+00      7735+00      7740+00



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| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

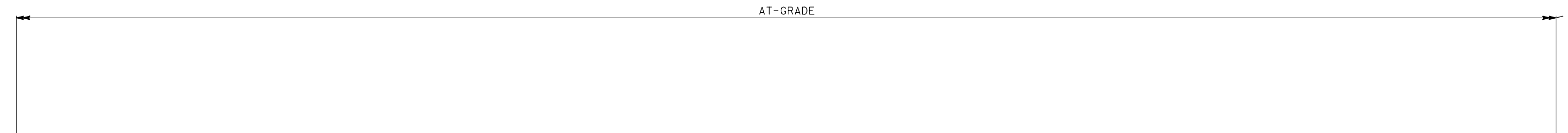
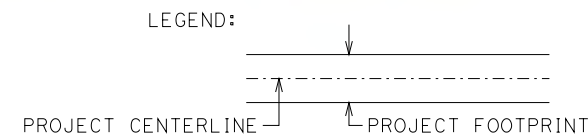
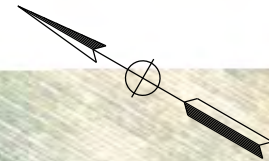
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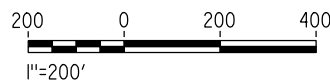
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-29    |





7740+00 7745+00 7750+00 7755+00 7760+00 7765+00 7770+00 7775+00 7780+00 7785+00 7790+00 7795+00 7800+00



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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

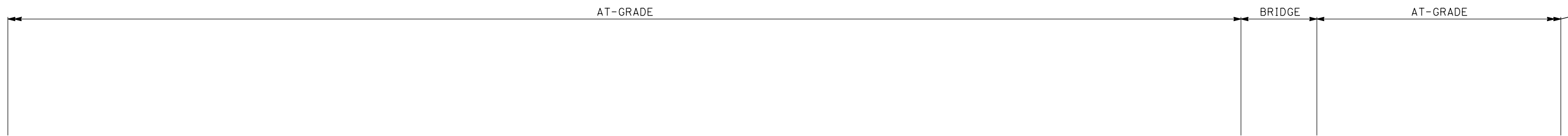
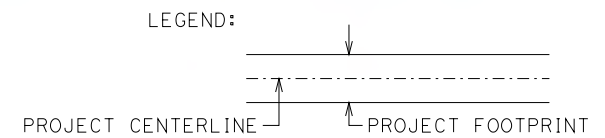
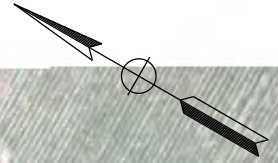


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-30    |





7800+00      7805+00      7810+00      7815+00      7820+00      7825+00      7830+00      7835+00      7840+00      7845+00      7850+00      7855+00      7860+00



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| IN CHARGE   |
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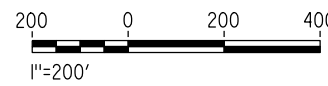
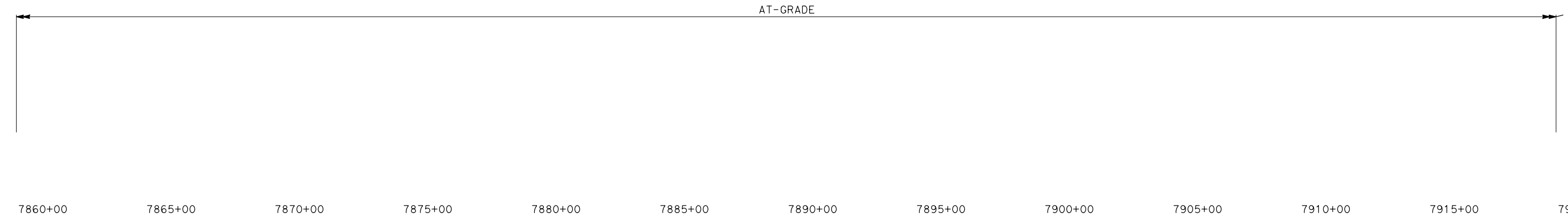
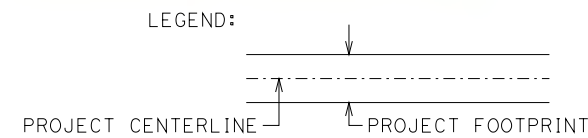
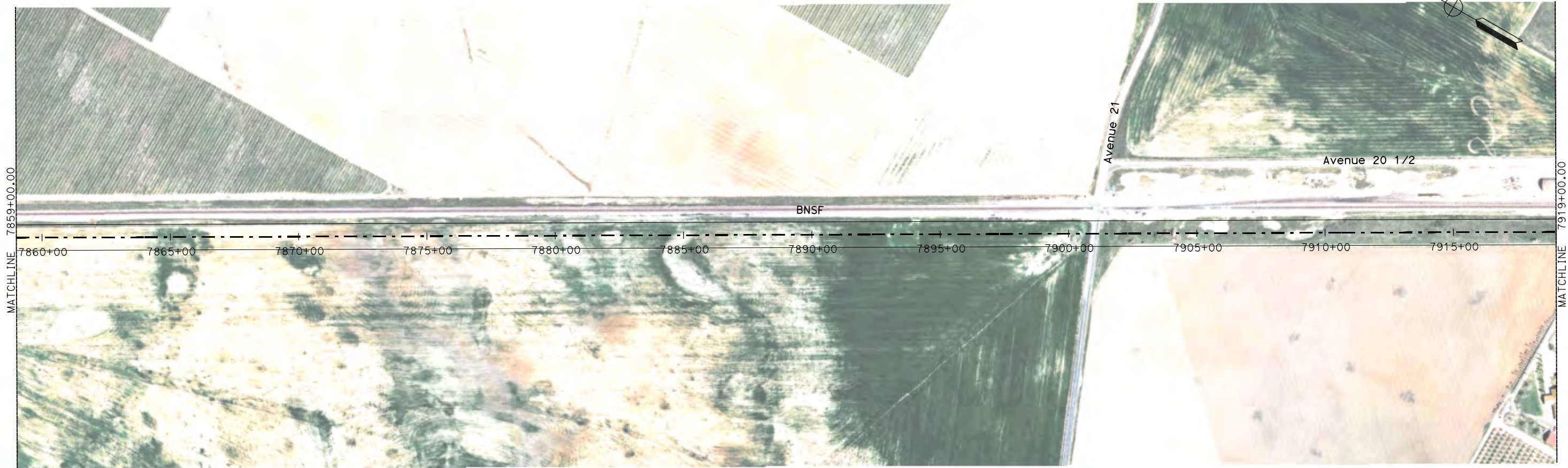
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-31    |





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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

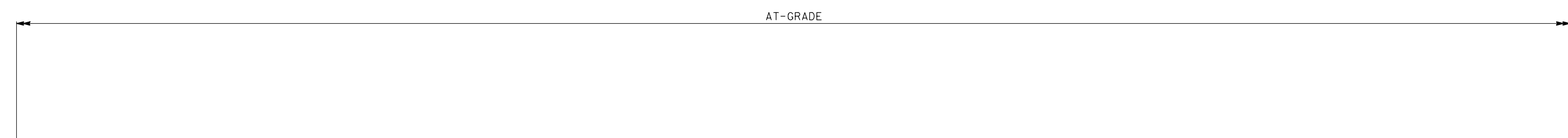
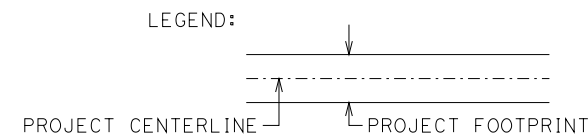
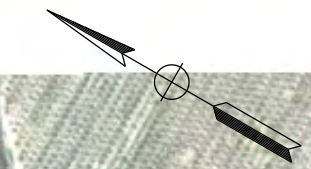
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-32    |





7920+00 7925+00 7930+00 7935+00 7940+00 7945+00 7950+00 7955+00 7960+00 7965+00 7970+00 7975+00 7980+00



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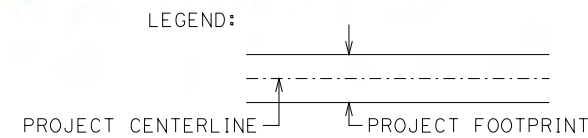
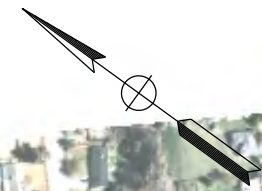
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

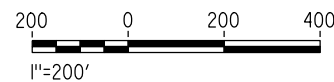
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-33    |





AT-GRADE

7980+00      7985+00      7990+00      7995+00      8000+00      8005+00      8010+00      8015+00      8020+00      8025+00      8030+00      8035+00      8040+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

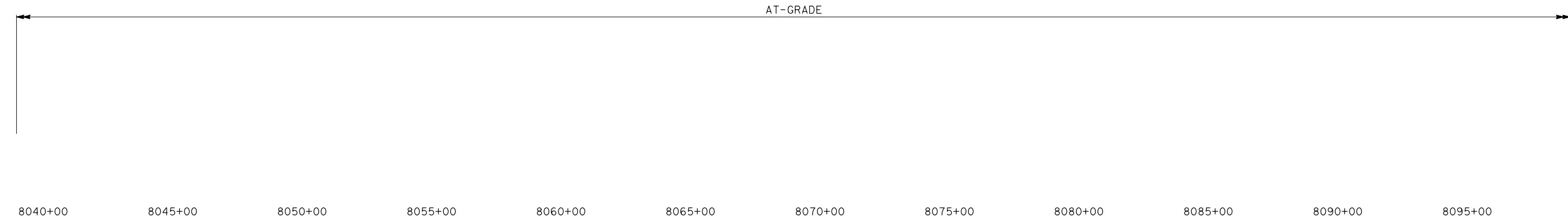
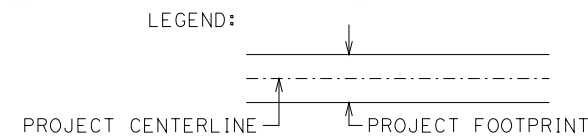


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

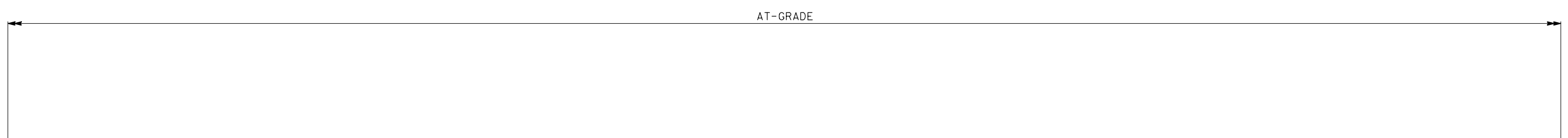
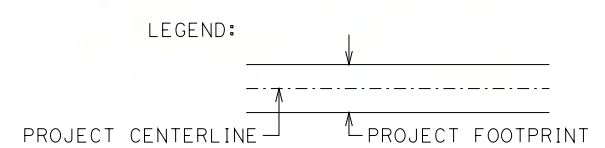
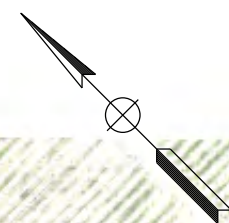
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-34    |





|   |             |                       |  |   |                         |
|---|-------------|-----------------------|--|---|-------------------------|
| 8040+00      8045+00      8050+00      8055+00      8060+00      8065+00      8070+00      8075+00      8080+00      8085+00      8090+00      8095+00      8100+00 |             |                       |  |   |                         |
|   | DESIGNED BY | <b>AECOM CH2MHILL</b> |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT</b><br><b>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A4 | CONTRACT NO.<br>C-0-000 |
|   | DRAWN BY    |                       |  |   | DRAWING NO.<br>XXX-XXX  |
|   | CHECKED BY  |                       |  |   | SCALE<br>1"= 200'       |
|   | IN CHARGE   |                       |  |   | SHEET NO.<br>A4-35      |
|   | DATE        |                       |  | <b>Preliminary 10/29/2009</b>   |                         |





8100+00      8105+00      8110+00      8115+00      8120+00      8125+00      8130+00      8135+00      8140+00      8145+00      8150+00      8155+00      8160+00



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| DESIGNED BY |
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| CHECKED BY  |
| IN CHARGE   |
| DATE        |

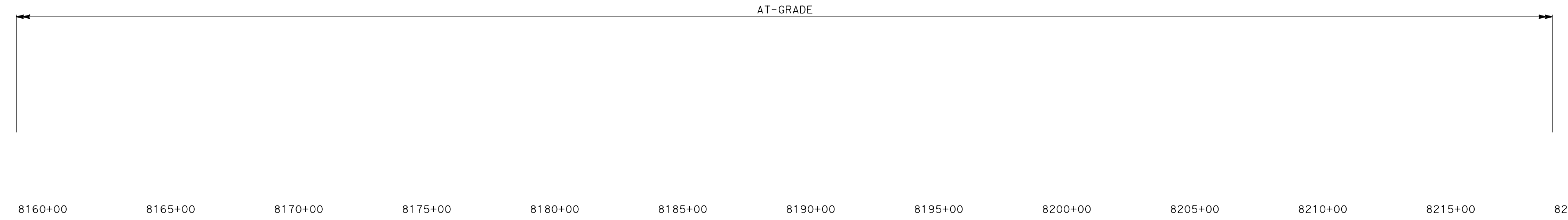
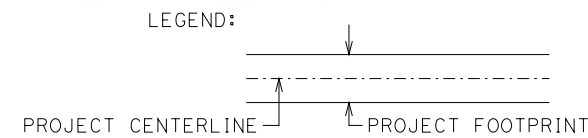
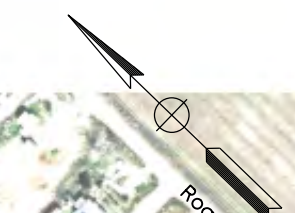
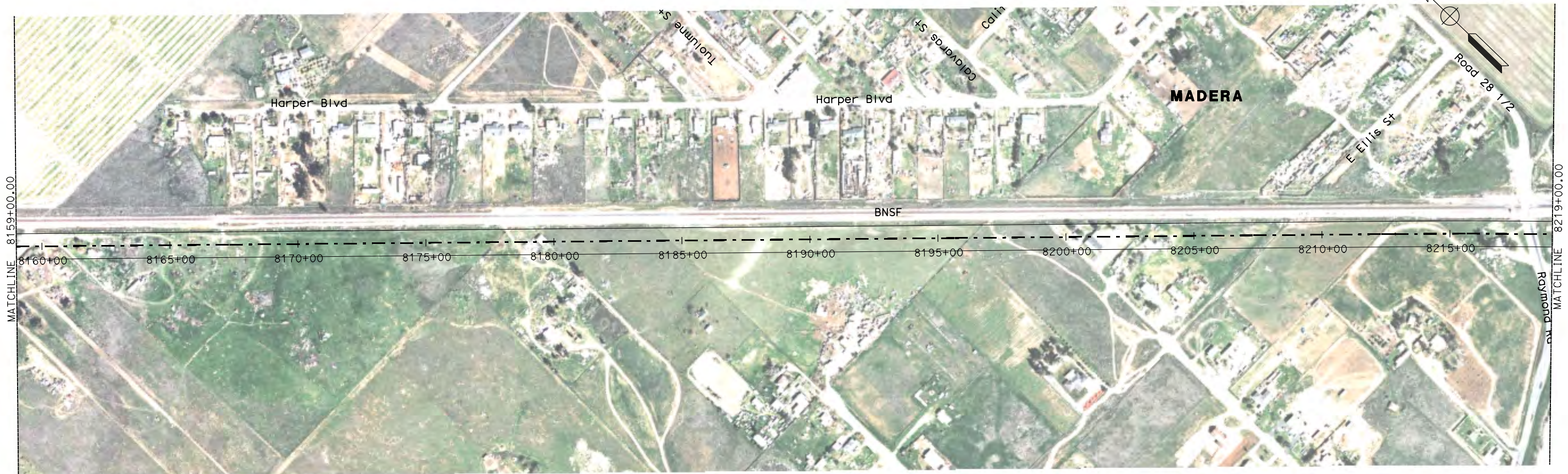
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-36    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

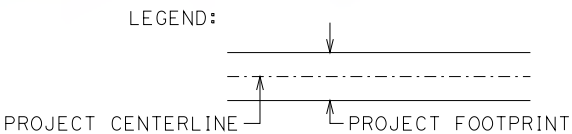
AECOM **CH2MHILL**



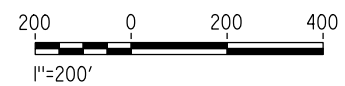
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-37    |





8220+00      8225+00      8230+00      8235+00      8240+00      8245+00      8250+00      8255+00      8260+00      8265+00      8270+00      8275+00      8280+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

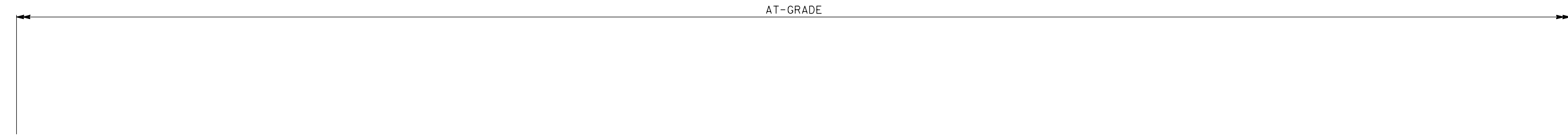
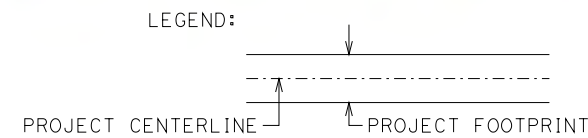
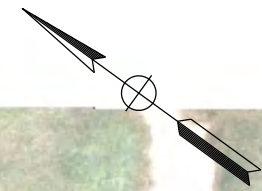


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-38    |





8280+00      8285+00      8290+00      8295+00      8300+00      8305+00      8310+00      8315+00      8320+00      8325+00      8330+00      8335+00      8340+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

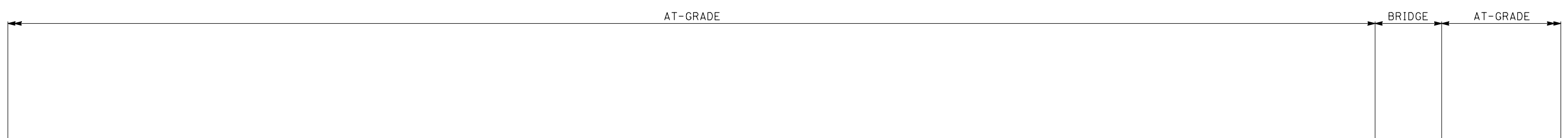
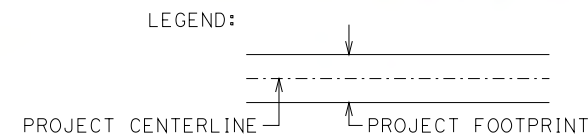
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-39    |





8340+00      8345+00      8350+00      8355+00      8360+00      8365+00      8370+00      8375+00      8380+00      8385+00      8390+00      8395+00      8400+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

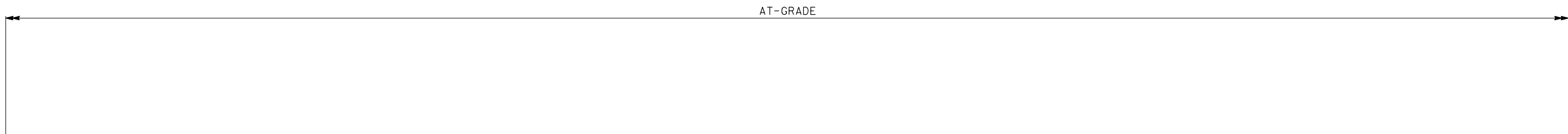
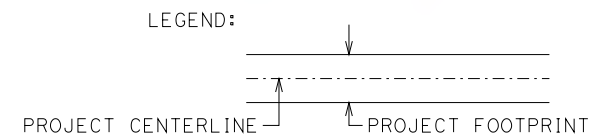
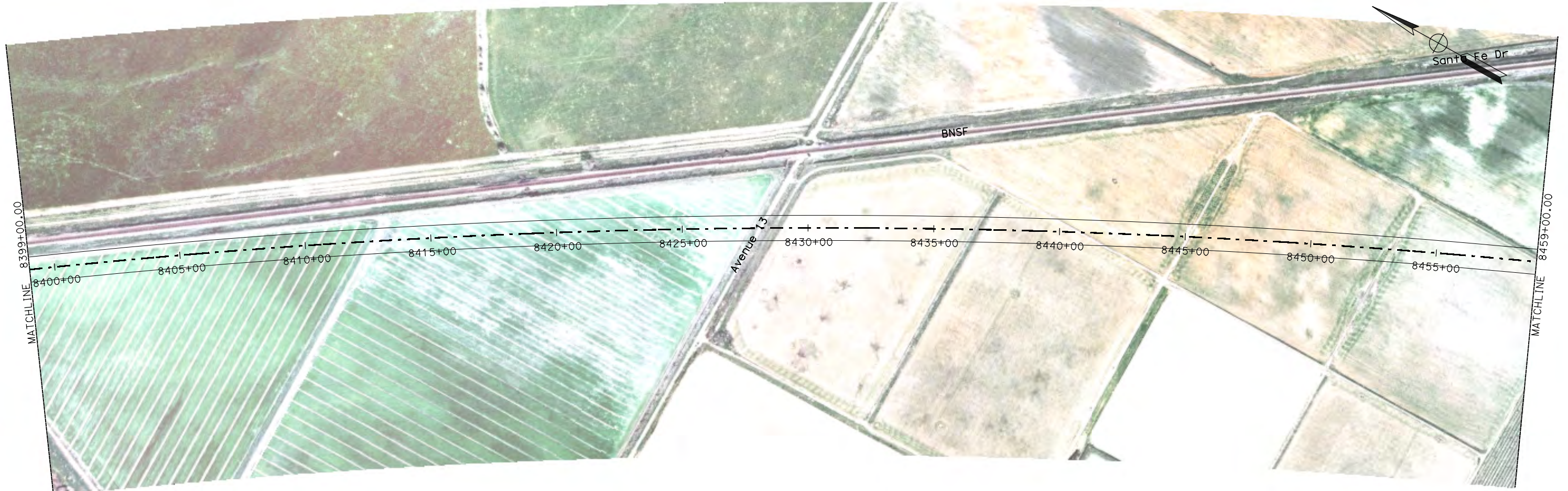
AECOM **CH2MHILL**



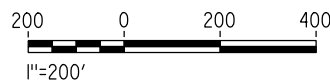
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-40    |





8400+00      8405+00      8410+00      8415+00      8420+00      8425+00      8430+00      8435+00      8440+00      8445+00      8450+00      8455+00      8460+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

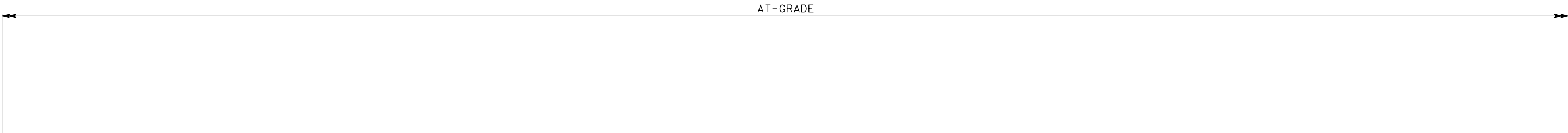
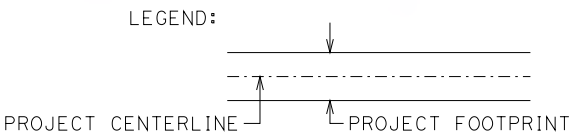


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

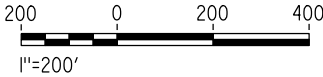
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-41    |





8460+00      8465+00      8470+00      8475+00      8480+00      8485+00      8490+00      8495+00      8500+00      8505+00      8510+00      8515+00      8520+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



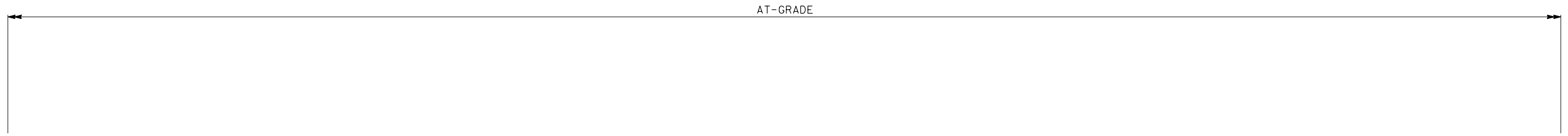
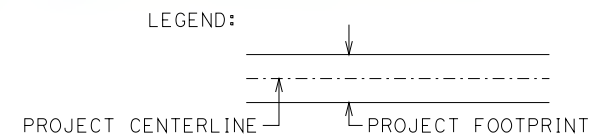
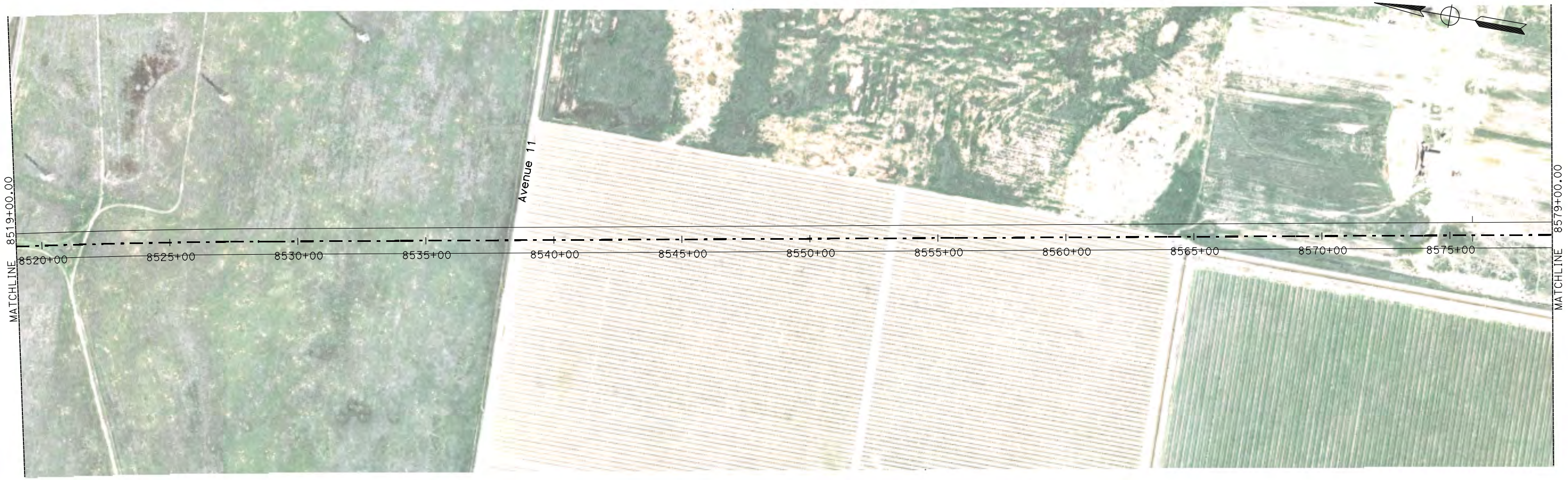
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-42    |

DATE PLOTTED: 11/03/2009





8520+00      8525+00      8530+00      8535+00      8540+00      8545+00      8550+00      8555+00      8560+00      8565+00      8570+00      8575+00      8580+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

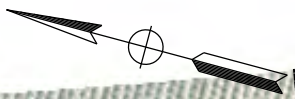


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

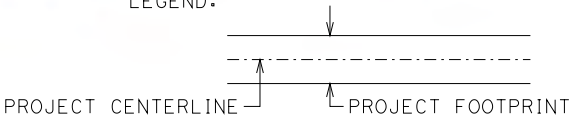
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-43    |



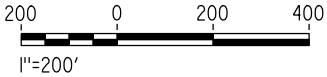


LEGEND:



AT-GRADE

8580+00 8585+00 8590+00 8595+00 8600+00 8605+00 8610+00 8615+00 8620+00 8625+00 8630+00 8635+00 8640+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM CH2MHILL

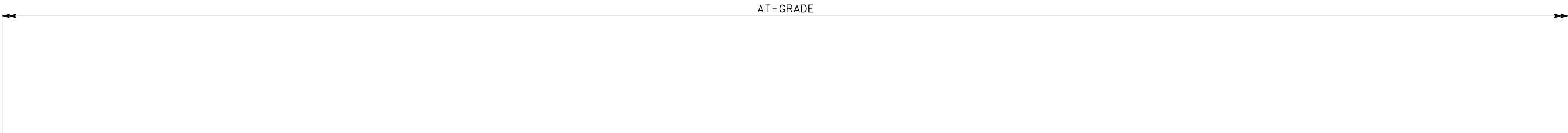
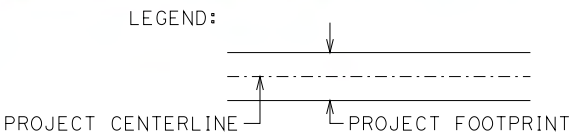
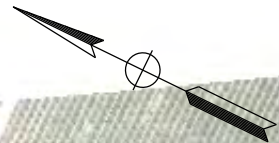
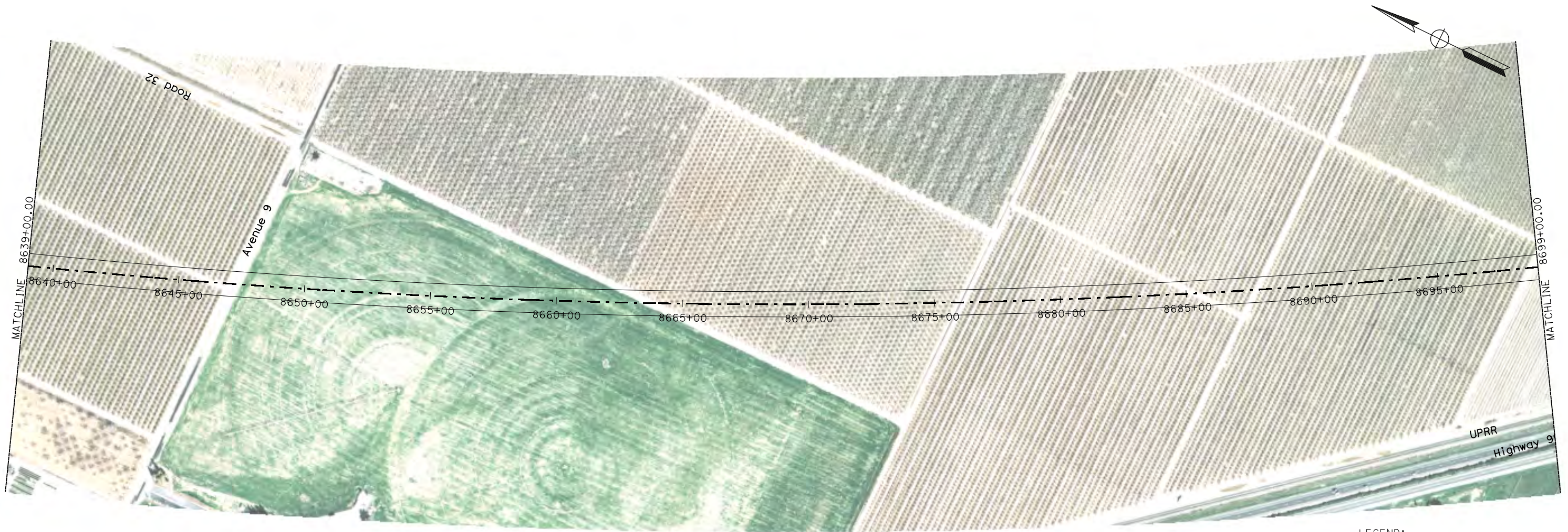


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

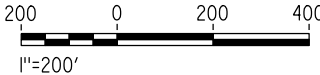
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-44    |





8640+00      8645+00      8650+00      8655+00      8660+00      8665+00      8670+00      8675+00      8680+00      8685+00      8690+00      8695+00      8700+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



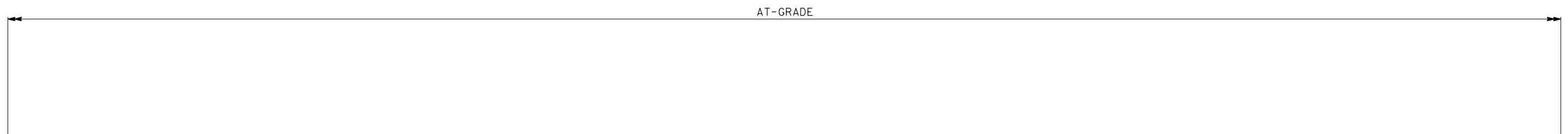
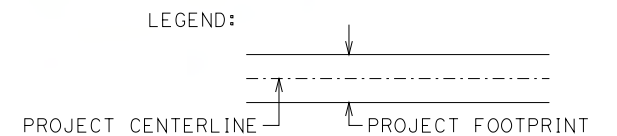
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

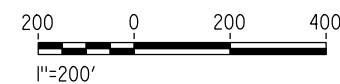
|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-45    |

DATE: 10/29/2009 10:00 AM





8700+00      8705+00      8710+00      8715+00      8720+00      8725+00      8730+00      8735+00      8740+00      8745+00      8750+00      8755+00      8760+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**

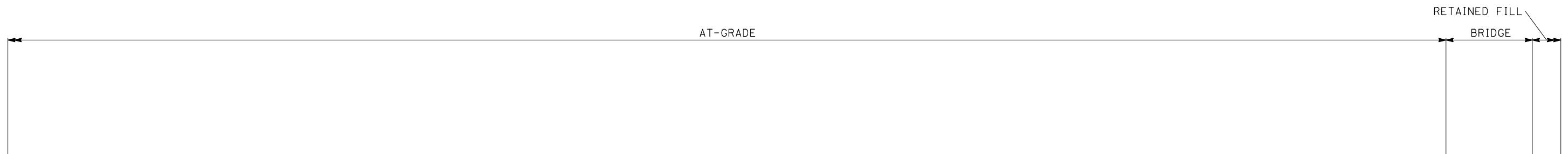
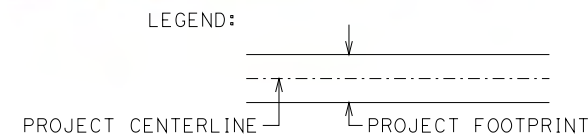
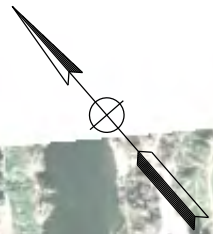
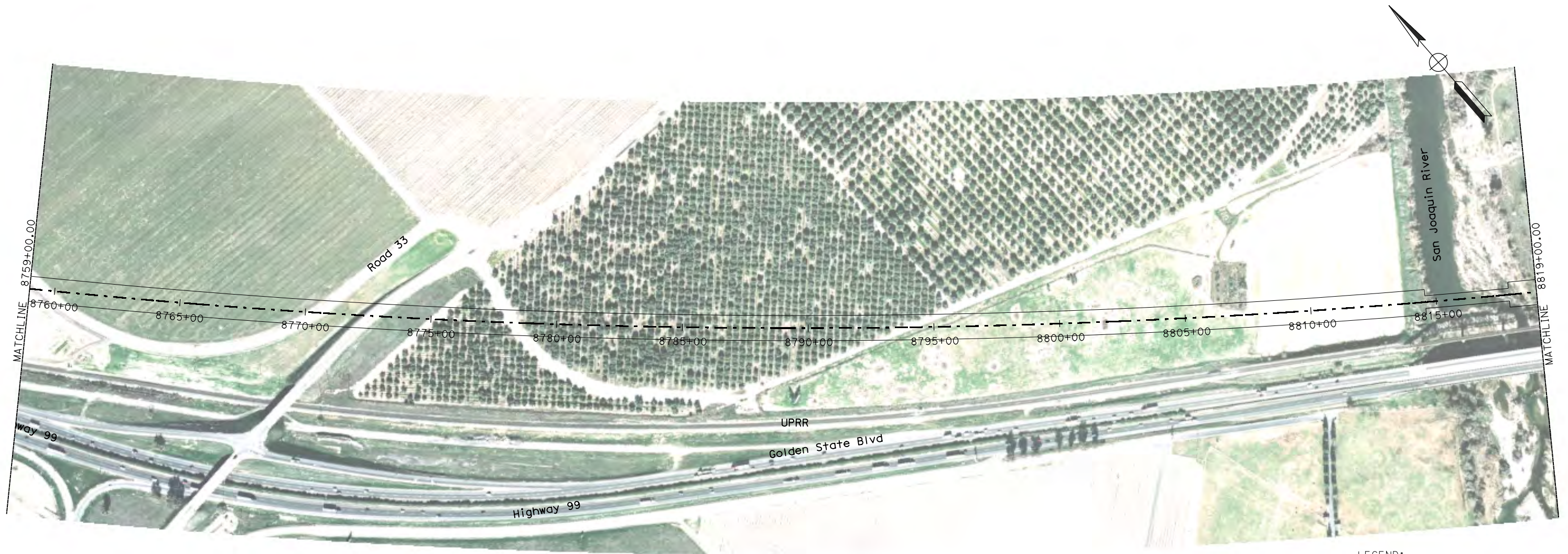


**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-46    |





8760+00      8765+00      8770+00      8775+00      8780+00      8785+00      8790+00      8795+00      8800+00      8805+00      8810+00      8815+00      8820+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

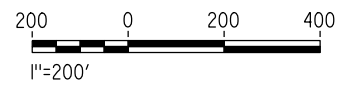
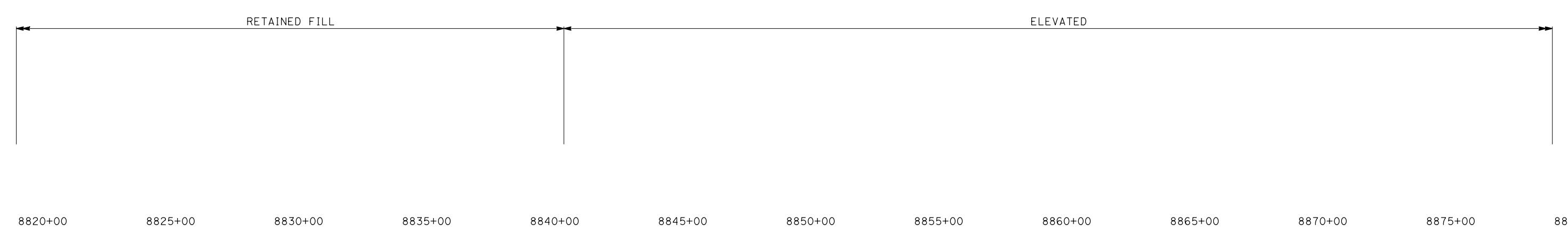
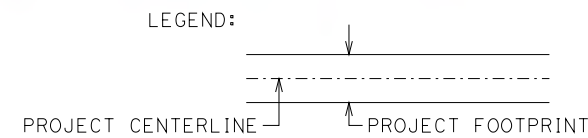
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-47    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
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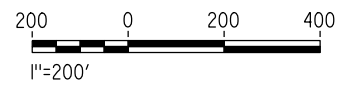
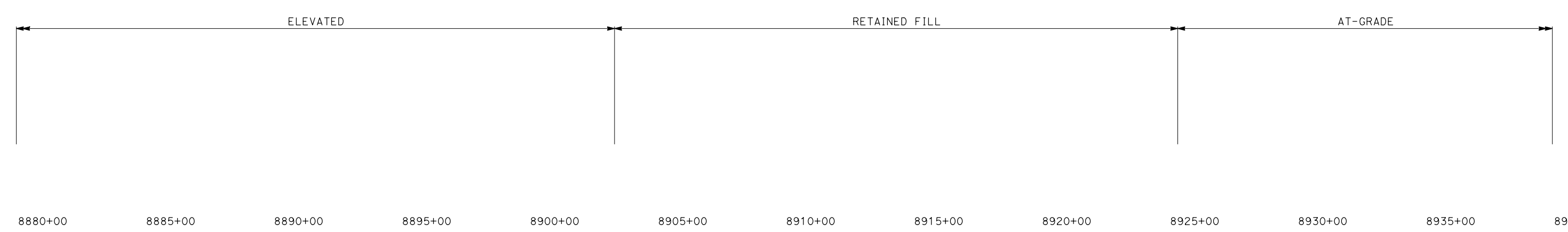
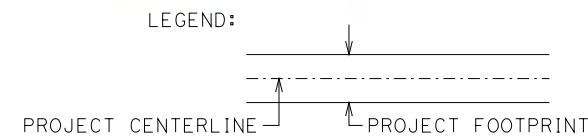
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-48    |





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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

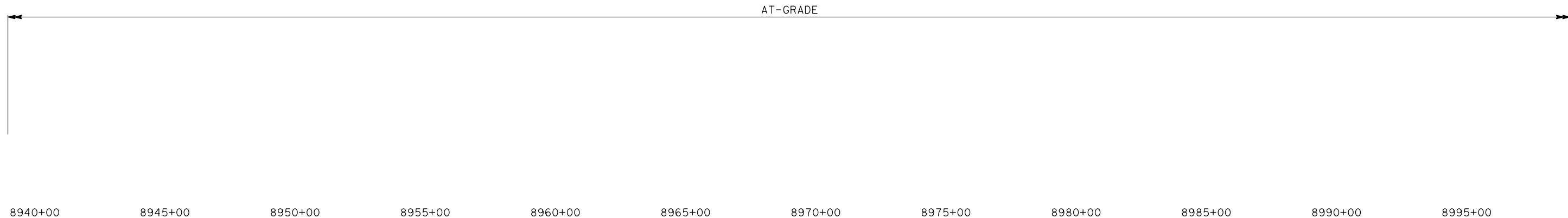
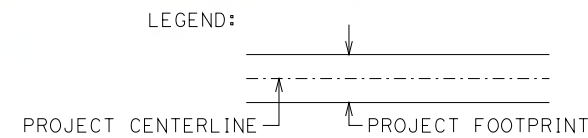
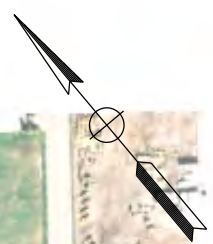
AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

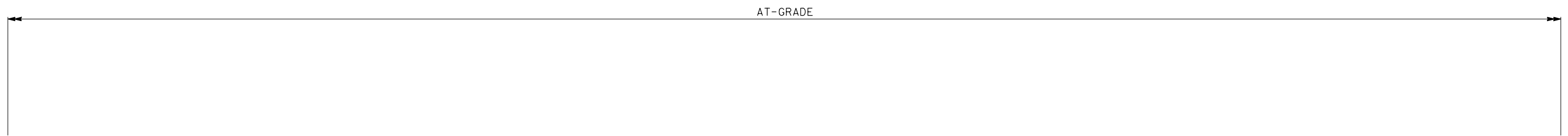
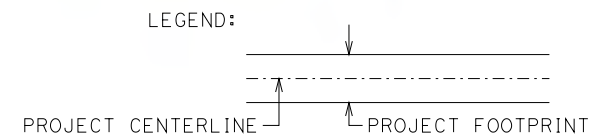
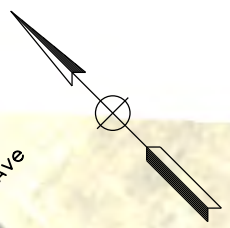
|              |          |
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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-49    |





|   |             |                        |  |   |                         |
|---|-------------|------------------------|--|---|-------------------------|
| 8940+00      8945+00      8950+00      8955+00      8960+00      8965+00      8970+00      8975+00      8980+00      8985+00      8990+00      8995+00      9000+00 |             |                        |  |   |                         |
|   | DESIGNED BY | <b>AECOM CH2MHILL</b>  |  | <b>CALIFORNIA HIGH SPEED TRAIN PROJECT<br/>SACRAMENTO TO FRESNO ALIGNMENT STUDY</b><br>MERCED TO FRESNO SECTION<br>ALTERNATIVE A4 | CONTRACT NO.<br>C-0-000 |
|   | DRAWN BY    |                        |  |   | DRAWING NO.<br>XXX-XXX  |
|   | CHECKED BY  |                        |  |   | SCALE<br>1"= 200'       |
|   | IN CHARGE   |                        |  |   | SHEET NO.<br>A4-50      |
| DATE  |             | Preliminary 10/29/2009 |  |   |                         |





9000+00      9005+00      9010+00      9015+00      9020+00      9025+00      9030+00      9035+00      9040+00      9045+00      9050+00      9055+00      9060+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

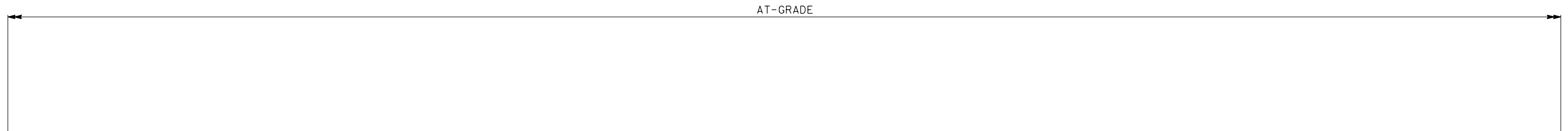
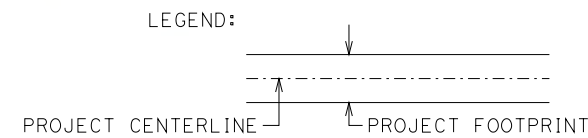
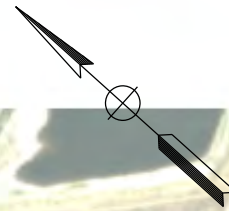
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-51    |





9060+00      9065+00      9070+00      9075+00      9080+00      9085+00      9090+00      9095+00      9100+00      9105+00      9110+00      9115+00      9120+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

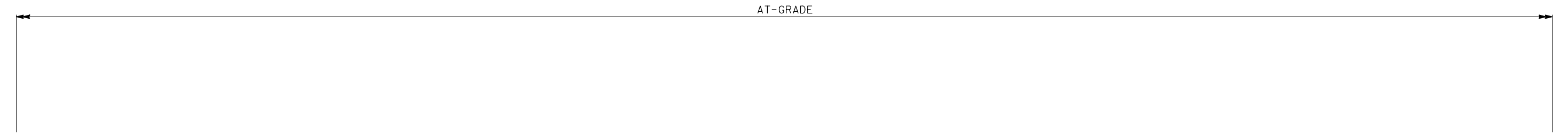
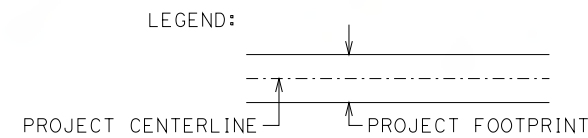
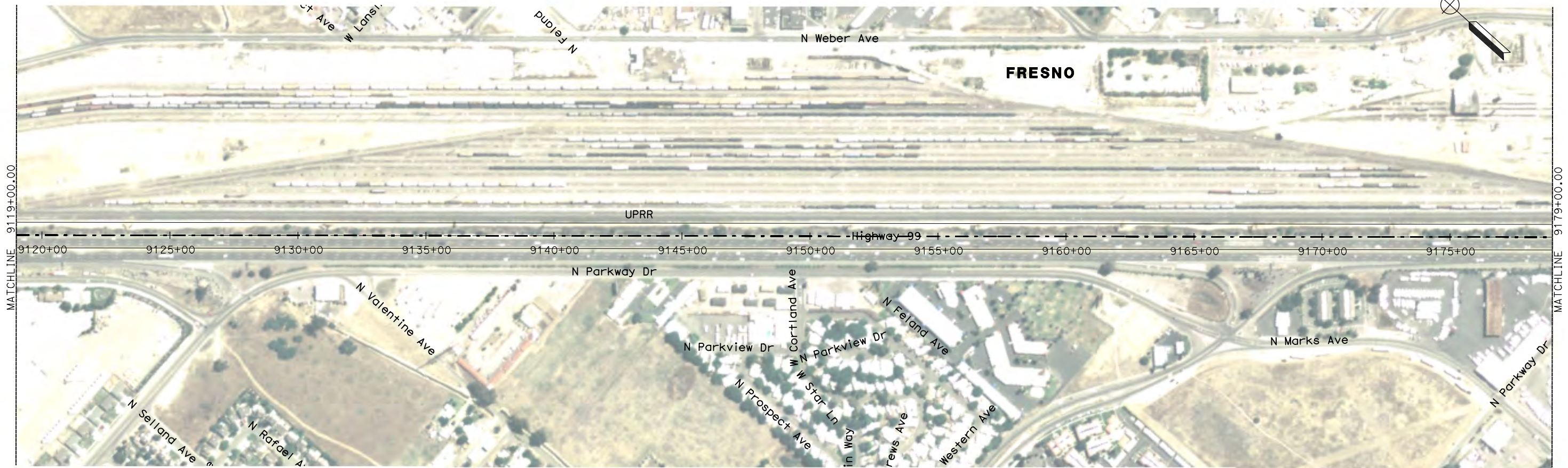
**AECOM CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
**Preliminary 10/29/2009**

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|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-52    |





9120+00      9125+00      9130+00      9135+00      9140+00      9145+00      9150+00      9155+00      9160+00      9165+00      9170+00      9175+00      9180+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

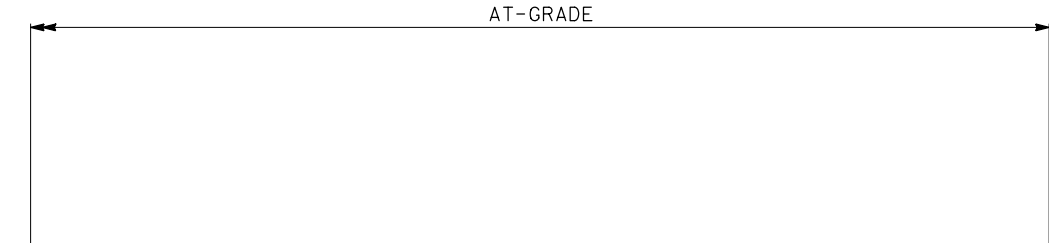
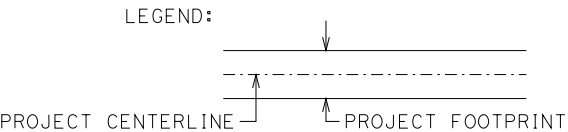
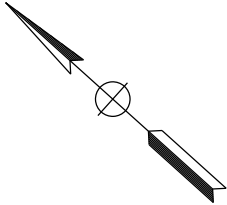
**AECOM CH2MHILL**



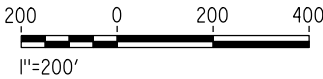
**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4  
  
Preliminary 10/29/2009

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| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-53    |





9180+00      9185+00      9190+00      9195+00      9200+00      9205+00



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| DESIGNED BY |
| DRAWN BY    |
| CHECKED BY  |
| IN CHARGE   |
| DATE        |

AECOM **CH2MHILL**



**CALIFORNIA HIGH SPEED TRAIN PROJECT**  
**SACRAMENTO TO FRESNO ALIGNMENT STUDY**  
MERCED TO FRESNO SECTION  
ALTERNATIVE A4

Preliminary 10/29/2009

|              |          |
|--------------|----------|
| CONTRACT NO. | C-0-000  |
| DRAWING NO.  | XXX-XXX  |
| SCALE        | 1"= 200' |
| SHEET NO.    | A4-54    |